

Table J-3
Level-A Validated
Groundwater Data

ANL-W Ground Water Monitoring S&A Data Document

1994/1995 Method Validation Level A

ANL-W GROUND WATER MONITORING - EBR II #1 - VOLATILE ORGANIC APPENDIX IX DATA

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AREA	ANL-W	ANL-W	ANL-W
LOCATION	EBR II #1	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGH01001AVE7	AGH0240IV4	GROUND WATER
MEDIA			ug/L
UNITS			
DATE COLLECTED	5-9-95	8-29-95	
SDG NUMBER	AGH01001AVE7	AGH0230IV4	
<u>FIELD MEASUREMENTS</u>			
Depth (ft)	725	725	
TARGET COMPOUNDS			
Chloromethane	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U
Methylene Chloride	11 U	5 U	5 U
Acetone	10 U	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U
1,1-dichloroethane	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U
1,2-Dichloroethene_(total)	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U
Bromo dichloromethane	5 U	5 U	5 U
1,2-Dichloropropene	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U
Dibromo-chloromethane	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U
Benzene	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U
4-Methyl-2-Pentanone	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U
Toluene	5 U	5 U	5 U

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ANL-W GROUND WATER MONITORING - EBR II #1 - VOLATILE ORGANIC APPENDIX IX DATA

LOCATION	TYPE OF LOCATION	EBR II #1 MONITORING WELL AGW1001AVE7	EBR II #1 MONITORING WELL AGW0201V4
SAMPLE NUMBER	MEDIA	GROUND WATER	GROUND WATER
UNITS		UG/L	UG/L
DATE COLLECTED		5-9-95	8-29-95
SDG NUMBER		AGW1001AVE7	AGW0201V4
Chlorobenzene		5 U	5 U
Ethylbenzene		5 U	5 U
Styrene		5 U	5 U
Xylene (total)		5 U	5 U
Dichlorodifluoromethane		10 U	10 U
Trichlorofluoromethane		5 U	5 U
Iodomethane		10 U	10 U
Allyl chloride		20 U	20 U
Propionitrile		50 U	50 U
Acetonitrile		20 U	20 U
Acrylaine		10 U	10 U
2-Chloro-1,3-butadiene		100 U	100 U
Acrylonitrile		10 U	10 U
Methylacrylonitrile		20 U	20 U
Dibromomethane		10 U	10 U
Isobutyl alcohol		20 U	100 U
1,2-Dibromoethane		20 U	20 U
1,1,1,2-Tetrachloroethane		10 U	10 U
1,2,3-Trichloropropane		10 U	10 U
Trans-1,4-Dichloro-2-butene		100 U	100 U
1,2-Dibromo-3-chloropropane		20 U	20 U
Dilution Factor		1,000	1,000
Total (Allowed) Hold Time		10(14)d	8(14)d

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ANL-W GROUND WATER MONITORING - EBR 11 #2 - VOLATILE ORGANIC APPENDIX IX DATA

AREA	ANL-W EBR 11 #2	MONITORING WELL AGM00201AV	MONITORING WELL AGM01101AV	MONITORING WELL AGM02501AV
LOCATION	MONITORING WELL AGM00201AV	GROUND WATER ug/L	GROUND WATER ug/L	GROUND WATER ug/L
SAMPLE NUMBER		5-18-94	5-9-95	8-28-95
MEDIA				
UNITS				
DATE COLLECTED				
SDG NUMBER				
FIELD MEASUREMENTS				
Depth (ft)	725	725	725	725
TARGET COMPOUNDS				
Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	5 U	10 U	10 U	10 U
Methylene Chloride	5 U	10 U	5 U	5 U
Acetone	12 U	10 U	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
1,2-Dichloroethene_(total)	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	10 R	10 U	10 U
2-Butanone				
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	5 U		10 U	10 U
Bromodichloromethane	5 U		5 U	5 U
1,2-Dichloropropane	5 U		5 U	5 U
cis-1,3-Dichloropropene	5 U		5 U	5 U
Trichloroethene	5 U		5 U	5 U
Dibromochloromethane	5 U		5 U	5 U
1,1,2-Trichloroethane	5 U		5 U	5 U
Benzene	5 U		5 U	5 U
Trans-1,3-Dichloropropene	5 U		5 U	5 U
Bromoform	5 U		5 U	5 U
4-Methyl-2-Pentanone	10 U		10 U	10 U
2-Hexanone	10 U		10 U	10 U
Tetrachloroethene	5 U		5 U	5 U
1,1,2,2-Tetrachloroethane	5 U		5 U	5 U
Toluene				

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ANL-W GROUND WATER MONITORING - EBR 11 #2 - VOLATILE ORGANIC APPENDIX IX DATA

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LOCATION	EBR 11 #2 MONITORING WELL AGW0201AV GROUND WATER ug/L	EBR 11 #2 MONITORING WELL AGW01101AV GROUND WATER ug/L	EBR 11 #2 MONITORING WELL AGW02301V4 GROUND WATER ug/L
SAMPLE NUMBER			
MEDIA			
UNITS			
DATE COLLECTED	5-18-94 AGW0201AV	5-9-95 AGW01001AVE7	8-28-95 AGW02301V4
SDG NUMBER			
Chlorobenzene	5 U	5 U	5 U
Ethybenzene	5 U	5 U	5 U
Styrene	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U
Dichlorodifluoromethane	5 U	10 U	10 U
Trichlorofluoromethane	5 U	5 U	5 U
Iodomethane	5 U	10 U	10 U
Allyl chloride	5 U	20 U	20 U
Propionitrile	5 U	50 U	50 U
Acetonitrile	5 U	20 U	20 U
<i>Aromatic</i>			
2-Chloro-1,3-butadiene	5 U	100 U	100 U
Acrylonitrile	20 U	10 U	10 U
1,4-Dioxane	1000 U	20 U	20 U
Methacrylonitrile	5 U	20 U	20 U
Methyl methacrylate	10 U	10 U	10 U
Dibromomethane	5 U	20 U	100 U
Isobutyl alcohol	25 R	20 U	20 U
1,2-Dibromoethane	5 U	10 U	10 U
1,1,1,2-Tetrachloroethane	5 U	10 U	10 U
1,2,3-Trichloropropene	5 U	10 U	10 U
Trans-1,4-Dichloro-2-butene	5 U	100 U	100 U
1,2-Dibromo-3-chloropropane	5 U	20 U	20 U
Ethyl Methacrylate	10 U		
Dilution Factor	1,000	1,000	1,000
Total (Allowed) Hold Time	13(14)d	13(14)d	9(14)d
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ANL-W GROUND WATER MONITORING - MW-11 - VOLATILE ORGANIC APPENDIX IX DATA

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AREA	ANL-W MW-11	ANL-W MW-11
LOCATION	MONITORING WELL AGW0301AV	MONITORING WELL AGW0301V4
TYPE OF LOCATION	GROUND WATER	GROUND WATER
SAMPLE NUMBER	ug/L	ug/L
MEDIA		
UNITS		
DATE COLLECTED	4-13-94	5-9-95
SDG NUMBER	AGW0301AV	AGW0301AVE7
FIELD MEASUREMENTS		
Depth (ft)	638	654.1
		640
TARGET COMPOUNDS		
Chloromethane	10 U	10 U
Bromomethane	10 U	10 U
Vinyl Chloride	10 U	10 U
Chloroethane	5 U	10 U
Methylene Chloride	5 U	15 U
Acetone	10 U	10 U
Carbon Disulfide	5 U	5 U
1,1-Dichloroethene	5 U	5 U
1,1-Dichloroethane	10 R	10 U
1,2-Dichloroethene_(total)	5 U	5 U
Chloroform	5 U	5 U
1,2-Dichloroethane	5 U	5 U
2-Butanone	10 R	10 U
1,1,1-Trichloroethane	5 U	5 U
Carbon Tetrachloride	5 U	5 U
Vinyl Acetate	5 U	10 U
Bromodichloromethane	5 U	5 U
1,2-Dichloropropane	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U
Trichloroethene	5 U	5 U
Dibromochloromethane	5 U	5 U
1,1,2-Trichloroethane	10 U	10 U
Benzene	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U
Bromoform	5 U	5 U
4-Methyl-2-Pentanone	10 U	10 U
2-Hexanone	10 U	10 U
Tetrachloroethene	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U
Toluene	5 U	5 U

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ANL-W GROUND WATER MONITORING - MU-11 - VOLATILE ORGANIC APPENDIX IX DATA

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LOCATION	TYPE OF LOCATION	M-11 MONITORING WELL AGH00301AV GROUND WATER	M-11 MONITORING WELL AGH01201AV GROUND WATER	M-11 MONITORING WELL AGH02301AV GROUND WATER
SAMPLE NUMBER		UB/L	UB/L	UB/L
MEDIA				
UNITS				
DATE COLLECTED		4-13-94	5-9-95	8-29-95
SDG NUMBER		AGH00301AV	AGH001AV7	AGH02301AV4
Chlorobenzene		5 U	5 U	5 U
Ethy benzene		5 U	5 U	5 U
Styrene		5 U	5 U	5 U
XY(ene (total)		5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U
Trichlorofluoromethane		5 U	5 U	5 U
Iodomethane		5 U	10 U	10 U
Allyl chloride		5 U	20 U	20 U
Propionitrile		5 U	50 U	50 U
Acetonitrile		5 U	20 U	20 U
Acrylic acid		5 U	10 U	10 U
2-Chloro-1,3-butadiene		5 U	100 U	100 U
Acrylonitrile		20 U	10 U	10 U
1,4-Dioxane		1000 U		
Methacrylonitrile		5 U	20 U	20 U
Methyl methacrylate		10 U	10 U	10 U
Dibromomethane		5 U	20 U	100 U
Isobutyl alcohol		25 R	20 U	20 U
1,2-Dibromoethane		5 U	20 U	10 U
1,1,1,2-Tetrachloroethane		5 U	10 U	10 U
1,2,3-Trichloropropene		5 U	10 U	10 U
Trans-1,4-Dichloro-2-butene		5 U	100 U	100 U
1,2-Dibromo-3-chloropropane		5 U	20 U	20 U
Ethyl Methacrylate		10 U		
Dilution Factor		1,000	1,000	1,000
Total (Allowed) Hold Time		13(14)d	10(14)d	8(14)d
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AREA	LOCATION	MONITORING WELL AG0040IAV	MONITORING WELL AG0130IAV	MONITORING WELL AG0170IAV	MONITORING WELL AG0200IAV	MONITORING WELL AG0270IAV
	TYPE OF LOCATION	GROUND WATER ug/L	GROUND WATER ug/L	GROUND WATER ug/L	GROUND WATER ug/L	GROUND WATER ug/L
	SAMPLE NUMBER	4-12.94	3-20.95	5-16.95	7-31.95	10-25.95
	SDG NUMBER	AG0030IAV	AG0130IAV	AG0170IAV	AG0200IAV	AG0270IAV
FIELD MEASUREMENTS						
Depth (ft)	650	648	715	715	715	651
TARGET COMPOUNDS						
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	5 U	5 U	10 BU	5 U	5 U	7 U
Methylene Chloride	5 U	5 U				
Acetone	10 U	10 U	10 U	10 U	8 U	9 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene_(total)	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	10 U	10 U	10 U	10 U
2-Butanone	10 R	10 U				
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	5 U	5 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U

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ANL-W GROUND WATER MONITORING - MW-12 - VOLATILE ORGANIC APPENDIX IX DATA

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LOCATION	TYPE OF LOCATION	MONITORING WELL AGW00401AV	MONITORING WELL AGW01301AV	MONITORING WELL AGW01701AV	MONITORING WELL AGW02001AV
SAMPLE NUMBER	MEDIA	GROUND WATER UG/L	GROUND WATER UG/L	GROUND WATER UG/L	GROUND WATER UG/L
UNITS					
DATE COLLECTED		4-12-94	3-20-95	5-16-95	7-31-95
SDG NUMBER		AGW00301AV	AGW01301AV	AGW01701AV	AGW02001AV
Chlorobenzene		5 U	5 U	5 U	5 U
Ethylbenzene		5 U	5 U	5 U	5 U
Styrene		5 U	5 U	5 U	5 U
Xylene (Total)		5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	10 U	10 U	10 U
Trichlorofluoromethane		5 U	5 U	5 U	5 U
Iodomethane		5 U	10 U	10 U	10 U
Allyl chloride		5 U	20 U	20 U	20 U
Propionitrile		5 U	50 U	50 U	50 U
Acetonitrile		5 U	20 U	20 U	20 U
Acrolein		5 U	10 U	10 U	10 U
2-Chloro-1,3-butadiene		5 U	100 U	100 U	100 U
Acrylonitrile		20 U	10 U	10 U	10 U
1,4-Dioxane		1000 U	5 U	20 U	20 U
Methacrylonitrile		5 U	20 U	20 U	20 U
Methyl methacrylate		10 U	10 U	10 U	10 U
Di bromomethane		5 U	20 R	20 U	100 U
Isobutyl alcohol		25 R	20 U	20 U	20 U
1,2-Dibromoethane		5 U	10 U	10 U	10 U
1,1,1,2-Tetrachloroethane		5 U	100 U	100 U	100 U
1,2,3-Trichloropropane		5 U	10 U	10 U	10 U
Trans-1,4-Dichloro-2-butene		5 U	100 U	100 U	100 U
1,2-Dibromo-3-chloropropane		5 U	20 U	20 U	20 U
Ethyl Methacrylate		10 U			
Dilution Factor		1,000		1,000	1,000
Total (Allowed) Hold Time		13(14)d	8(14)d	6(14)d	13(14)d

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ANL-W GROUND WATER MONITORING - MW-13 - VOLATILE ORGANIC APPENDIX IX DATA

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AREA	ANL-W MW-13	ANL-W MW-13	ANL-W MW-13	ANL-W MW-13
LOCATION	MONITORING WELL AGW01601AV	MONITORING WELL AGW0201AV	MONITORING WELL AGW0201AV	MONITORING WELL AGW0201AV
TYPE OF LOCATION	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
SAMPLE NUMBER	UG/L	UG/L	UG/L	UG/L
MEDIA UNITS	3-20-95	5-16-95	7-31-95	10-25-95
DATE COLLECTED	AGW01301AV	AGW01701AV	AGW02001AV	AGW02701AV
SDG NUMBER				
FIELD MEASUREMENTS				
Depth (ft)	636	665	643	642
TARGET COMPOUNDS				
Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	5 U	14 BU	4 U	5 U
Acetone	10 U	10 U	7 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U
1,2-Dichloroethene_(total)	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U
Dibromoethane	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U
Bromiform	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U
1,1,2-Tetrachloroethane	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U

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ANL-W GROUND WATER MONITORING - MU-13 - VOLATILE ORGANIC APPENDIX IX DATA

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LOCATION	TYPE OF LOCATION	M-13 MONITORING WELL AGH01401AV GROUND WATER uG/L	M-13 MONITORING WELL AGH01801AV GROUND WATER uG/L	M-13 MONITORING WELL AGH02101AV GROUND WATER uG/L	M-13 MONITORING WELL AGH02801AV GROUND WATER uG/L
SAMPLE NUMBER	MEDIA	UNITS	UNITS	UNITS	UNITS
DATE COLLECTED	SDG NUMBER	3-20-95 AGH01301AV	5-16-95 AGH01701AV	7-31-95 AGH02001AV	10-25-95 AGH02701AV
Chlorobenzene		5 u	5 u	5 u	5 u
Ethylbenzene		5 u	5 u	5 u	5 u
Styrene		5 u	5 u	5 u	5 u
Xylene (total)		5 u	5 u	5 u	5 u
Dichlorodifluoromethane		10 u	10 u	10 u	10 u
Trichlorofluoromethane		5 u	5 u	5 u	5 u
Iodomethane		10 u	10 u	10 u	10 u
Allyl chloride		20 u	20 u	20 u	20 u
Propionitrile		50 u	50 u	50 u	50 u
Acetonitrile		20 u	20 u	20 u	20 u
Arcolene		10 u	10 u	10 u	10 u
2-Chloro-1,3-butadiene		100 u	100 u	100 u	100 u
Acrylonitrile		10 u	10 u	10 u	10 u
Methacrylonitrile		20 u	20 u	20 u	20 u
Dibromomethane		10 u	10 u	10 u	10 u
Isobutyl alcohol		20 R	20 uJ	100 u	100 u
1,2-Dibromoethane		20 R	20 uJ	20 u	20 u
1,1,1,2-Tetrachloroethane		10 u	10 uJ	10 u	10 u
1,2,3-Trichloropropane		10 u	10 uJ	10 u	10 u
Trans-1,4-Dichloro-2-butene		100 u	100 uJ	100 u	100 u
1,2-Dibromo-3-chloropropane		20 u	20 uJ	20 u	20 u
Dilution Factor		1,000		1,000	1,000
Total (Allowed) Hold Time		8(14)d		6(14)d	13(14)d

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ANL-W GROUND WATER MONITORING - VOLATILE ORGANIC APPENDIX IX FIELD BLANK DATA

AREA	ANL-W	LOCATION	QC
TYPE OF LOCATION	FIELD BLANK	SAMPLE NUMBER	AGW0150IAV
MEDIA	WATER	UNITS	ug/L
UNITS		DATE COLLECTED	5-9-95
SDG NUMBER			AGW0100IAVE7
<hr/>			
TARGET COMPOUNDS			
Chloroform	10 U	Carbon Disulfide	10 U
Bromomethane	5 U	1,1-Dichloroethene	5 U
Vinyl Chloride	10 U	1,1-Dichloroethane	5 U
Chloroethane	10 U	1,2-Dichloroethene (total)	5 U
Methylene Chloride	15 U	Unlabeled	5 U
Acetone	10 U	1,2-Dichloroethane	5 U
Carbon Disulfide	5 U	2-Butanone	10 U
1,1-Dichloroethene	5 U	1,1,1-Trichloroethane	5 U
1,1-Dichloroethane	5 U	Carbon Tetrachloride	5 U
1,2-Dichloroethene (total)	5 U	Vinyl Acetate	10 U
Unlabeled	5 U	Bromodichloromethane	5 U
1,2-Dichloroethane	5 U	1,2-Dichloropropane	5 U
2-Butanone	5 U	cis-1,3-Dichloropropene	5 U
1,1,1-Trichloroethane	5 U	Trichloroethene	5 U
Carbon Tetrachloride	5 U	Dibromochloromethane	5 U
Vinyl Acetate	10 U	1,1,2-Trichloroethane	5 U
Bromodichloromethane	5 U	Benzene	5 U
1,2-Dichloropropane	5 U	Trans-1,3-Dichloropropene	5 U
cis-1,3-Dichloropropene	5 U	Bromoform	5 U
Trichloroethene	5 U	4-Methyl-2-Pentanone	10 U
Dibromochloromethane	5 U	2-Hexanone	10 U
1,1,2-Trichloroethane	5 U	Tetrachloroethene	5 U
Benzene	5 U	1,1,2,2-Tetrachloroethene	5 U
Trans-1,3-Dichloropropene	5 U	Toluene	5 U
Bromoform	5 U		
4-Methyl-2-Pentanone			
2-Hexanone			
Tetrachloroethene			
1,1,2,2-Tetrachloroethene			
Toluene			

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ANL-W GROUND WATER MONITORING - VOLATILE ORGANIC APPENDIX IX FIELD BLANK DATA

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LOCATION	TYPE OF LOCATION	QC
SAMPLE NUMBER	FIELD BLANK	AGW01501AV
MEDIA	WATER	
UNITS	ug/L	
DATE COLLECTED	5-9-95	
SDG NUMBER		AGW01001AVE7
Chlorobenzene	5 u	
Ethylbenzene	5 u	
Styrene	5 u	
Xylene (total)	5 u	
Dichlorodifluoromethane	10 u	
Trichlorofluoromethane	5 u	
Iodomethane	10 u	
Allyl chloride	20 u	
Propionitrile	50 u	
Acetonitrile	20 u	
<i>In�ivin</i>		
2-Chloro-1,3-butadiene	100 u	
Acrylonitrile	10 u	
Methacrylonitrile	20 u	
Dibromomethane	10 u	
Isobutyl alcohol	20 u	
1,2-Dibromoethane	20 u	
1,1,1,2-Tetrachloroethane	10 u	
1,2,3-Trichloropropane	10 u	
Trans-1,4-Dichloro-2-butene	100 u	
1,2-Dibromo-3-chloropropane	20 u	
Dilution Factor	1,000	
Total (Allowed) Hold Time	10(14)d	

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ANL-W GROUND WATER MONITORING - VOLATILE ORGANIC APPENDIX IX TRIP BLANK DATA

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AREA	ANL-W LOCATION QC	ANL-W TRIP BLANK SAMPLE NUMBER ANL00594	ANL-W TRIP BLANK MEDIA WATER UNITS 4-12-94	ANL-W TRIP BLANK MEDIA WATER UNITS 5-18-94	ANL-W TRIP BLANK MEDIA WATER UNITS 3-20-95	ANL-W TRIP BLANK MEDIA WATER UNITS 5-9-95	ANL-W TRIP BLANK MEDIA WATER UNITS 5-16-95
TARGET COMPOUNDS							
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene_(total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	10 R	10 U	10 U	10 U	10 U
2-Butanone	10 S	10 S	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 S	10 S	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U

ANL-W Ground Water Monitoring SQA Data Document
ANL-W GROUND WATER MONITORING - VOLATILE ORGANIC APPENDIX IX TRIP BLANK DATA

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LOCATION	QC TRIP BLANK	QC TRIP BLANK	QC TRIP BLANK	QC TRIP BLANK
TYPE OF LOCATION	ANL0594	ANL94	AGW01601AV	AGW01901AV
SAMPLE NUMBER				
MEDIA UNITS	ug/L	ug/L	ug/L	ug/L
DATE COLLECTED	4-12-94	5-18-94	3-20-95	5-9-95
SDG NUMBER	AGW0301AV	AGW0201AV	AGW01301AV	AGW0101AVF7
Chlorobenzene	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5 U	5 U	10 U	10 U
Trichlorofluoromethane	5 U	5 U	5 U	5 U
Iodomethane	5 U	5 U	10 U	10 U
Allyl chloride	5 U	5 U	20 U	20 U
Propionitrile	5 U	5 U	50 U	50 U
Acetonitrile	5 U	5 U	20 U	20 U
Acrolein	2 U	2 U	10 U	10 U
2-Chloro-1,3-butadiene	5 U	5 U	100 U	100 U
Acrylonitrile	20 U	20 U	10 U	10 U
1,4-Dioxane	1000 U	1000 U	10 U	10 U
Methacrylonitrile	5 U	5 U	20 U	20 U
Methyl methacrylate	10 U	10 U	10 U	10 U
Dibromomethane	5 U	5 U	25 R	20 U
Isobutyl alcohol	25 R	25 R	20 U	20 U
1,2-Dibromoethane	5 U	5 U	10 U	10 U
1,1,1,2-Tetrachloroethane	5 U	5 U	100 U	100 U
1,2,3-Trichloropropane	5 U	5 U	10 U	10 U
Trans-1,4-Dichloro-2-butene	5 U	5 U	100 U	100 U
1,2-Dibromo-3-chloropropane	10 U	10 U	20 U	20 U
Ethyl Methacrylate				
Dilution Factor	1,000	1,000	1,000	1,000
Total (Allowed) Hold Time	13(14)d	8(14)d	10(14)d	13(14)d

ANL-W GROUND WATER MONITORING - VOLATILE ORGANIC APPENDIX IX TRIP BLANK DATA

AREA	ANL-W LOCATION TYPE OF LOCATION SAMPLE NUMBER MEDIA UNITS DATE COLLECTED SDG NUMBER	ANL-W QC TRIP BLANK AGW02201AV WATER ug/L 7-31-95 AGW02001AV	ANL-W QC TRIP BLANK AGW02201AV WATER ug/L 7-31-95 AGW02001AV	ANL-W QC TRIP BLANK AGW02601V4 WATER ug/L 8-28-95 AGW02301V4	ANL-W QC TRIP BLANK AGW02901AV WATER ug/L 10-25-95 AGW02701AV
TARGET COMPOUNDS					
Chloroform	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Bromomethane	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl Chloride	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chloroethane	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Methylene Chloride	5 U	5 U	5 U	5 U	5 U
Acetone	10 UJ	10 UJ	7 UJ	5 U	10 U
Carbon Disulfide	5 UJ	5 UJ	5 UJ	5 U	5 U
1,1-Dichloroethene	5 UJ	5 UJ	5 UJ	5 U	5 U
1,1-Dichloroethane	5 UJ	5 UJ	5 UJ	5 U	5 U
1,2-Dichloroethene (total)	5 UJ	5 UJ	5 UJ	5 U	5 U
Chloroform	5 UJ	5 UJ	5 UJ	5 U	5 U
1,2-Dichloroethane	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
2-Butanone	5 UJ	5 UJ	5 UJ	5 U	5 U
1,1,1-Trichloroethane	5 UJ	5 UJ	5 UJ	5 U	5 U
Carbon Tetrachloride	5 UJ	5 UJ	5 UJ	5 U	5 U
Vinyl Acetate	10 UJ	10 UJ	10 UJ	10 U	10 U
Bromodichloromethane	5 UJ	5 UJ	5 UJ	5 U	5 U
1,2-Dichloropropane	5 UJ	5 UJ	5 UJ	5 U	5 U
cis-1,3-Dichloropropene	5 UJ	5 UJ	5 UJ	5 U	5 U
Trichloroethene	5 UJ	5 UJ	5 UJ	5 U	5 U
Dibromochloromethane	5 UJ	5 UJ	5 UJ	5 U	5 U
1,1,2-Trichloroethane	5 UJ	5 UJ	5 UJ	5 U	5 U
Benzene	5 UJ	5 UJ	5 UJ	5 U	5 U
Trans-1,3-Dichloropropene	5 UJ	5 UJ	5 UJ	5 U	5 U
Bromoform	5 UJ	5 UJ	5 UJ	5 U	5 U
4-Methyl-2-Pentanone	10 UJ	10 UJ	10 UJ	10 U	10 U
2-Hexanone	10 UJ	10 UJ	10 UJ	10 U	10 U
Tetrachloroethene	5 UJ	5 UJ	5 UJ	5 U	5 U
1,1,2,2-Tetrachloroethane	5 UJ	5 UJ	5 UJ	5 U	5 U
Toluene	5 UJ	5 UJ	5 UJ	5 U	5 U

ANL-W Ground Water Monitoring SQA Data Document

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ANL-W GROUND WATER MONITORING - VOLATILE ORGANIC APPENDIX IX TRIP BLANK DATA

LOCATION	QC	QC	QC	QC
SAMPLE NUMBER	TRIP BLANK AGH02201AV WATER	TRIP BLANK AGH02201AV WATER	TRIP BLANK AGH02601AV WATER	TRIP BLANK AGH02901AV WATER
MEDIA	ug/L	ug/L	ug/L	ug/L
UNITS				
DATE COLLECTED	7-31-95	7-31-95	8-28-95	10-25-95
SDG NUMBER	AGH02001AV	AGH02001AV	AGH02301AV	AGH02701AV
Chlorobenzene	5 uJ	5 uJ	5 uJ	5 uJ
Ethylbenzene	5 uJ	5 uJ	5 uJ	5 uJ
Styrene	5 uJ	5 uJ	5 uJ	5 uJ
Xylene (total)	5 uJ	5 uJ	5 uJ	5 uJ
Dichlorodifluoromethane	10 uJ	10 uJ	10 uJ	10 uJ
Trichlorofluoromethane	5 uJ	5 uJ	5 uJ	5 uJ
Iodomethane	10 uJ	10 uJ	10 uJ	10 uJ
Allyl chloride	20 uJ	20 uJ	20 uJ	20 uJ
Propionitrile	50 uJ	50 uJ	50 uJ	50 uJ
Acetonitrile	20 uJ	20 uJ	20 uJ	20 uJ
Acrolein	10 uJ	10 uJ	10 uJ	10 uJ
2-Chloro-1,3-butadiene	100 uJ	100 uJ	100 uJ	100 uJ
Acryonitrile	10 uJ	10 uJ	10 uJ	10 uJ
Methacrylonitrile	20 uJ	20 uJ	20 uJ	20 uJ
Dibromomethane	10 uJ	10 uJ	10 uJ	10 uJ
Isobutyl alcohol	100 uJ	100 uJ	100 uJ	100 uJ
1,2-Dibromoethane	20 uJ	20 uJ	20 uJ	20 uJ
1,1,1,2-Tetrachloroethane	10 uJ	10 uJ	10 uJ	10 uJ
1,2,3-Trichloropropane	10 uJ	10 uJ	10 uJ	10 uJ
Trans-1,4-Dichloro-2-butene	100 uJ	100 uJ	100 uJ	100 uJ
1,2-Dibromo-3-chloropropane	20 uJ	20 uJ	20 uJ	20 uJ
Dilution Factor	1,000	1,000	1,000	1,000
Total (Allowed) Hold Time	13(14)d	14(14)d	9(14)d	13(14)d

ANL-W GROUND WATER MONITORING - EBR II #1 - SEMI-VOLATILE ORGANIC APPENDIX IX DATA

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AREA	ANL-W
LOCATION	EBR II #1
TYPE OF LOCATION	MONITORING WELL
SAMPLE NUMBER	AGW01001HN
MEDIA	GROUND WATER
UNITS	ug/L
DATE COLLECTED	5-10-95
SDG NUMBER	AGW01001HN
FIELD MEASUREMENTS	
Depth (ft)	725
TARGET COMPOUNDS	
Phenol	9 CCCC
bis(2-chloroethyl)ether	9 CCCC
2-Chlorophenol	9 CCCC
1,3-Dichlorobenzene	9 CCCC
1,4-Dichlorobenzene	9 CCCC
Benzyl alcohol	9 CCCC
1,2-Dichlorobenzene	9 CCCC
2-Methylphenol	9 CCCC
bis(2-Chloroisopropyl)ether	9 CCCC
3- and/or 4-Methylphenol	9 CCCC
N-nitroso- α -n-propylamine	9 CCCC
Hexachloroethane	9 CCCC
Nitrobenzene	9 CCCC
Isophorone	9 CCCC
2-Nitrophenol	9 CCCC
2,4-Dimethylphenol	9 CCCC
Benzoic acid	47 CCCC
bis(2-Chloroethoxy)methane	9 CCCC
2,4-Dichlorophenol	9 CCCC
1,2,4-Trichlorobenzene	9 CCCC
Naphthalene	9 CCCC
4-Chloroniline	9 CCCC
Hexachlorobutadiene	9 CCCC
4-Chloro-3-methylphenol	9 CCCC
2-Methylnaphthalene	9 CCCC
Hexachlorocyclopentadiene	9 CCCC
2,4,6-Trichlorophenol	47 CCCC
2,4,5-Trichlorophenol	47 CCCC
2-Chloronaphthalene	9 CCCC
2-Nitroaniline	47 CCCC
Dimethylphthalate	9 CCCC
Acenaphthylene	9 CCCC
2,6-Dinitrotoluene	9 CCCC
3-Nitroniline	47 CCCC
Acenaphthene	9 CCCC
2,4-Dinitrophenol	47 CCCC
4-Nitrophenol	47 CCCC
Dibenzofuran	9 CCCC
2,4-Dinitrotoluene	9 CCCC
Diethylphthalate	9 CCCC

ANL-W GROUND WATER MONITORING - EBR II #1 - SEMI-VOLATILE ORGANIC APPENDIX IX DATA

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AREA	LOCATION	TYPE OF LOCATION	SAMPLE NUMBER	MEDIA	UNITS	DATE COLLECTED	SDG NUMBER
ANL-W	EBR II #1	MONITORING WELL					
		AGB01001HN					
		GROUND WATER					
		ug/L					
		5-10/95					
		AGB01001HN					

4-Chlorophenyl-phenylether	9	U
Fluorene	9	U
4-Nitroaniline	47	U
4,6-Dinitro-2-methylphenol	47	U
N-Nitrosodiphenylamine (1)	9	U
4-Bromophenyl-phenylether	9	U
Hexachlorobenzene	9	U
Pentachlorophenol	47	U
Phenanthrene	9	U
Anthracene	9	U
Di-n-butylphthalate	9	U
Fluoranthene	9	U
Pyrene	9	U
Butylbenzylphthalate	9	U
3,3'-Dichlorobenzidine	19	U
Benzo(a)anthracene	9	U
Chrysene	9	U
bis(2-Ethylhexyl)phthalate	73	U
Di-n-octylphthalate	9	U
Benzo(b)fluoranthene	9	U
Benzo(k)fluoranthene	9	U
Benzo(a)pyrene	9	U
Indeno(1,2,3-cd)pyrene	9	U
Dibenzo(a,h)anthracene	9	U
Benzog(f,h,i)perylene	9	U
Pyridine	9	U
N-Nitrosodimethylamine	9	U
Methylmethanesulfonate	9	U
N-Nitrosodiethylamine	9	U
Ethyl methacrylate	9	U
Methyl methacrylate	9	U
2-Picoline	9	U
Pentachloroethane	9	U
Aniline	9	U
N-Nitrosopyrrolidine	9	U
Acetophenone	9	U
N-Nitrosomorpholine	9	U
O-Toluidine	9	U

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ANL-W GROUND WATER MONITORING - EBR 11 #1 - SEMIVOLATILE ORGANIC APPENDIX IX DATA

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AREA	ANALYST
LOCATION	EBR 11 #1
TYPE OF LOCATION	MONITORING WELL
SAMPLE NUMBER	AGNO1001HN
MEDIA	GROUND WATER
UNITS	UG/L
DATE COLLECTED	5-10-95
SDG NUMBER	AGNO1001HN

1,4-Dioxane	9 U
N-Nitrosopiperidine	47 U
Dialkylate	9 U
2,6-Dichlorophenol	9 U
Hexachloropropene	9 U
p-Phenylenediamine	9 U
N-Nitroso-di-n-butylamine	9 U
Safrole	9 U
1,2,4,5-Tetrachlorobenzene	9 U
Isosafrole	9 U
1,4-Naphthoquinone	9 U
1,3-Dinitrobenzene	9 U
1-Naphthylamine	9 U
2-Naphthylamine	9 U
2',3',6-Tetrachlorophenol	9 U
5-Nitro-o-toluidine	9 U
Diphenylamine	9 U
1,3,5-Trinitrobenzene	9 U
Phenacetin	9 U
Chlorobenzilate	9 U
4-Aminobiphenyl	9 U
Pentachloronitrobenzene	47 R U
Pronamide	9 U
2-sec-Butyl-4,6-dinitrophenol	47 U
4-Nitroquinoline-1-oxide	19 R
Methoxydiphenyl	9 U
Aranite	19 U
p-(Dimethylamino)azobenzene	9 U
3,5-Dimethylbenzidine	9 U
2-Acetylaminofluorene	9 U
7,12-Dimethylbenz(a)anthracene	9 U
3-Methylcholanthrene	9 U
Hexachlorophene	85 R
Dilution Factor	1.000
Field/Shipping Time	
Extraction (Allowed)	Hold Time
Analytical (Allowed)	Hold Time

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ANL-W GROUND WATER MONITORING - EBR II #2 - SEMIVOLATILE ORGANIC APPENDIX IX DATA

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AREA	LOCATION	TYPE OF LOCATION	MONITORING WELL	EBR II #2	ANL-W
	SAMPLE NUMBER	MEDIA UNITS	AGW0020 HN	AGW0110 HN	AGW0100 HN
	DATE COLLECTED	SDG NUMBER	5-18-94	5-9-95	5-9-95
FIELD MEASUREMENTS					
	Depth (ft)		725	725	725
TARGET COMPOUNDS					
Phenol			10 U	9 U	9 U
bis(2-Chloroethyl)ether			10 U	9 U	9 U
2-Chlorophenol			10 U	9 U	9 U
1,3-Dichlorobenzene			10 U	9 U	9 U
1,4-Dichlorobenzene			10 U	9 U	9 U
Benzyl alcohol			10 U	9 U	9 U
1,2-Dichlorobenzene			10 U	9 U	9 U
2,4-Dichlorobenzene			10 U	9 U	9 U
bis(2-Chloroisopropyl)ether			10 U	9 U	9 U
3- and/or 4-Methylphenol			10 U	9 U	9 U
N-Nitroso-di-n-propylamine			10 U	9 U	9 U
Hexachloroethane			10 U	9 U	9 U
Nitrobenzene			10 U	9 U	9 U
Isophorone			10 U	9 U	9 U
2-Nitrophenol			10 U	9 U	9 U
2,4-Dimethylphenol			10 U	9 U	9 U
Benzoic acid			50 U	47 U	47 U
bis(2-Chloroethoxy)methane			10 U	9 U	9 U
2,4-Dichlorophenoxy			10 U	9 U	9 U
2,4,4-Trichlorobenzene			10 U	9 U	9 U
Naphthalene			10 U	9 U	9 U
4-Chloronaniline			10 U	9 U	9 U
Hexachlorobutadiene			10 U	9 U	9 U
4-Chloro-3-methylphenol			10 U	9 U	9 U
2-Methylnaphthalene			10 U	9 U	9 U
Hexachlorocyclopentadiene			10 U	9 U	9 U
2,4,6-Trichlorophenol			50 U	47 U	47 U
2,4,5-Trichlorophenol			10 U	9 U	9 U
2-Chloronaphthalene			10 U	9 U	9 U
2-Nitroaniline			50 U	47 U	47 U
Dimethylphthalate			10 U	9 U	9 U
Acenaphthylene			10 U	9 U	9 U
2,6-Dinitrotoluene			10 U	9 U	9 U
3-Nitroaniline			10 U	9 U	9 U
Acenaphthene			10 U	9 U	9 U
2,4-Dinitrophenol			50 U	47 U	47 U
4-Nitrophenol			50 U	47 U	47 U
Dibenzofuran			10 U	9 U	9 U
2,6-Dinitrotoluene			10 U	9 U	9 U
Diphthalate			10 U	9 U	9 U

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ANL-W GROUND WATER MONITORING - EBR II #2 - SEMIVOLATILE ORGANIC APPENDIX IX DATA

AREA	LOCATION	TYPE OF LOCATION	MONITORING WELL	EBR II #2	ANL-W
SAMPLE NUMBER		AGW0020HN	AGW0110HN	MONITORING WELL	EBR II #2
MEDIA		GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
UNITS		U/L	U/L	U/L	U/L
DATE COLLECTED		5-18-94	5-18-94	5-18-94	5-18-94
SDG NUMBER		AGW0020HN	AGW0110HN	AGW0110HN	AGW0110HN
4-Chlorophenyl-phenylether		10 U	9 U	9 U	9 U
Fluorene		10 U	9 U	9 U	9 U
4-Nitroaniline		50 U	47 U	47 U	47 U
4,6-Dinitro-2-methylphenol		50 U	47 U	47 U	47 U
N-Nitrosodiphenylamine (1)		10 U	9 U	9 U	9 U
4-Bromophenyl-phenylether		10 U	9 U	9 U	9 U
Hexachlorobenzene		10 U	9 U	9 U	9 U
Pentachlorophenol		10 U	9 U	9 U	9 U
Phenanthrene		50 U	47 U	47 U	47 U
Anthracene		10 U	9 U	9 U	9 U
Di-n-butylphthalate		10 U	9 U	9 U	9 U
Fluoranthene		10 U	9 U	9 U	9 U
Pyrene		10 U	9 U	9 U	9 U
Butylbenzylphthalate		10 U	9 U	9 U	9 U
3,3'-Dichlorobenzidine		10 U	9 U	9 U	9 U
Benz(a)anthracene		10 U	9 U	9 U	9 U
Chrysene		10 U	9 U	9 U	9 U
bis(2-Ethyhexyl)phthalate		5 U	5 U	5 U	5 U
Di-n-octylphthalate		10 U	9 U	9 U	9 U
Benz(b)fluoranthene		10 U	9 U	9 U	9 U
Benz(k)fluoranthene		10 U	9 U	9 U	9 U
Benz(a)pyrene		10 U	9 U	9 U	9 U
Indeno(1,2,3-cd)pyrene		10 U	9 U	9 U	9 U
Dibenzo(1,2,3,4-h)anthracene		10 U	9 U	9 U	9 U
Benz(g,h,i)perylene		10 U	9 U	9 U	9 U
Pyridine		10 U	9 U	9 U	9 U
N-Nitrosodimethylamine		50 U	40 U	40 U	40 U
Ethyl methacrylate		20 U	20 U	20 U	20 U
Methyl methacrylate		20 U	20 U	20 U	20 U
2-Picoline		10 U	9 U	9 U	9 U
N-Nitrosomethylethylamine		50 U	40 U	40 U	40 U
Methylmethanesulfonate		20 U	20 U	20 U	20 U
N-Nitrosodiethylamine		10 U	9 U	9 U	9 U
Ethyl methanesulfonate		20 U	20 U	20 U	20 U
Pentachloroethane		10 U	9 U	9 U	9 U
Aniline		20 U	20 U	20 U	20 U
N-Nitrosopyrrolidine		10 U	9 U	9 U	9 U
Acetophenone		10 U	9 U	9 U	9 U
N-Nitrosomorpholine		10 U	9 U	9 U	9 U
O-Toluuidine		10 U	9 U	9 U	9 U

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ANL-W GROUND WATER MONITORING - EBR 11 #2 - SEMI VOLATILE ORGANIC APPENDIX IX DATA

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AREA	LOCATION	LOCATION	ANL-W EBR 11 #2 MONITORING WELL AGW00201HN GROUND WATER 5-9-95 AGW00201HN	ANL-W EBR 11 #2 MONITORING WELL AGW0101HN GROUND WATER 5-9-95 AGW0101HN
SAMPLE NUMBER	MEDIA	UNITS		
DATE COLLECTED	SDG NUMBER			
1-4-Dioxane		20 UJ	9 U	47 U
N-Nitrosopiperidine		40 UJ	9 U	9 U
Diallate		10 U	9 U	9 U
8,8'-Dimethylphenethylamine		10 UU	9 UU	9 UU
2,6-Dichlorophenol		10 R	9 U	9 U
Hexachloropropene		10 UU	9 U	9 U
p-Phenylenediamine		20 UUU	9 UUU	9 UUU
N-Nitroso-di-n-butylamine		10 R	9 UU	9 UU
Safrole		10 U	9 U	9 U
1,2,4,5-Tetrachlorobenzene		10 U	9 U	9 U
Isoasfrole		10 U	9 U	9 U
1,4-Naphthoquinone		10 U	9 U	9 U
1,3-Dinitrobenzene		10 U	9 U	9 U
Pentachlorobenzene		10 R	9 U	9 U
1-Naphthylamine		10 U	9 U	9 U
2-Naphthylamine		10 U	9 U	9 U
2,3,4,6-Tetrachlorophenol		10 U	9 U	9 U
5-Nitro-o-toluidine		10 U	9 U	9 U
Diphenyl amine		10 U	9 U	9 U
1,3,5-Trinitrobenzene		20 R	9 U	9 U
Phenacetin		20 U	9 U	9 U
Chlorobenzilate		20 UU	9 UU	9 UU
4-Aminobiphenyl		20 U	9 U	9 U
Pentachloronitrobenzene		20 U	9 U	9 U
Pronamide		10 U	47 R	49 U
2-sec-Butyl-4,6-dinitrophenol		20 U	47 U	47 U
4-Nitroquinoline-1-oxide		40 U	19 R	19 R
Methaphyrene		100 U	33	19 UU
Aramite		20 U	10 U	19 UU
p-(Dimethylamino)azobenzene		10 U	9 U	9 U
3,3'-Dimethylbenzidine		10 U	9 U	9 U
Famphur		20 U	0 U	0 U
2-Acetylaminofluorene		20 U	9 U	9 U
7,12-Dimethylbenz(a)anthracene		10 U	9 U	9 U
3'-Methylcholanthrene		10 U	9 U	9 U
Hexachlorophene		85 R	10 U	10 U
3-Methylphenol		10 U	10 U	10 U
o,o'-Triethylphosphorothioate		10 U	10 U	10 U
Thioniazin		1.000	1.000	1.000
Dilution Factor				
Field/Shipping Time				
Extraction (Allowed)				
Vertical (Allowed)				
Hold Time				
Hold Time				
22(4.0)d				
7(7)d				
6(7)d				
18(4.0)d				

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ANL-W GROUND WATER MONITORING - MW-11 - SEMIVOLATILE ORGANIC APPENDIX IX DATA

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AREA	ANL-W	ANL-W
LOCATION	MW-11	MW-11
TYPE OF LOCATION	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGW0301HN	AGW0120HN
MEDIA	GROUND WATER	GROUND WATER
UNITS	PPB/L	PPB/L
DATE COLLECTED	4-13-94	5-9-95
SDG NUMBER	AGW0301HN	AGW01001HN
FIELD MEASUREMENTS		
DEPTH (FT)	638	654.1
TARGET COMPOUNDS		
Phenol	10 U	9 U
bis(2-Chloroethyl)ether	10 U	9 U
2-Chlorophenol	10 U	9 U
1,3-Dichlorobenzene	10 U	9 U
1,4-Dichlorobenzene	10 U	9 U
Benzyl alcohol	10 U	9 U
1,2-Dichlorobenzene	10 U	9 U
2-Methylphenol	10 U	9 U
bis(2-Chloroisopropyl)ether	10 U	9 U
3- and/or 4-Methylphenol	10 U	0 U
N-Nitroso-di-n-propylamine	10 U	9 U
Hexachloroethane	10 U	9 U
Nitrobenzene	10 U	9 U
Isophorone	10 U	9 U
2-Nitrophenol	10 U	9 U
2,4-Dimethylphenol	10 U	9 U
Benzoic acid	50	47
bis(2-Chloroethoxy)methane	10 U	9 U
2,4-Dichlorophenoxy	10 U	9 U
1,2,4-Trichlorobenzene	10 U	9 U
Naphthalene	10 U	9 U
4-Chloronaphtalene	10 U	9 U
Hexachlorobutadiene	10 U	9 U
4-Chloro-3-methylphenol	10 U	9 U
2-Methylnaphthalene	10 U	9 U
Hexachlorocyclopentadiene	10 U	9 U
2,4,6-Trichlorophenoxy	50	47
2,4,5-Trichlorophenol	10 U	9 U
2-Chloronaphthalene	50	47
2-Nitroaniline	50	47
Dimethylphthalate	10 U	9 U
Acenaphthylene	10 U	9 U
2,6-Dinitrotoluene	10 U	9 U
3-Nitroaniline	10 U	67 U
Acenaphthene	10 U	9 U
2,4-Dinitrophenol	50	47 U
4-Nitrophenol	50	47 U
Dibenzofuran	10 U	9 U
2,4-Dinitrotoluene	10 U	9 U
Diethylphthalate	10 U	9 U

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ANL-W GROUND WATER MONITORING - MW-11 - SEMI VOLATILE ORGANIC APPENDIX IX DATA

AREA	LOCATION	TYPE OF LOCATION	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	MEDIA	GROUND WATER	GROUND WATER	GROUND WATER
UNITS		ug/L	ug/L	ug/L
DATE COLLECTED	SDG NUMBER			
			AGW0301HN	AGW01001HN
4-Chlorophenyl-phenyl ether		10 U	9 U	9 U
Fluorene		10 U	9 U	9 U
4-Nitroaniline		50 U	47 U	47 U
4,6-Dinitro-2-methylphenol		50 U	47 U	47 U
N-Nitrosodiphenylamine (1)		10 U	9 U	9 U
4-Bromophenyl-phenyl ether		10 U	9 U	9 U
Hexachlorobenzene		10 U	9 U	9 U
Pentachlorophenol		10 U	9 U	9 U
Phenanthrene		50 U	47 U	47 U
Anthracene		10 U	9 U	9 U
Di-n-butylphthalate		10 U	9 U	9 U
Fluoranthene		10 U	9 U	9 U
Pyrene		10 U	9 U	9 U
Butylbenzylphthalate		10 U	9 U	9 U
3,3'-Dichlorobenzidine		10 U	9 U	9 U
Benzo(a)anthracene		10 U	9 U	9 U
Chrysene		10 U	9 U	9 U
bis(2-Ethylhexyl)phthalate		140 BU	71 U	71 U
Di-n-octylphthalate		10 U	9 U	9 U
Benzo(b)fluoranthene		10 U	9 U	9 U
Benzo(k)fluoranthene		10 U	9 U	9 U
Benzo(a)pyrene		10 U	9 U	9 U
Indeno(1,2,3-cd)pyrene		10 U	9 U	9 U
Di-benz(a,h)anthracene		10 U	9 U	9 U
Benzo(g,h,i)perylene		10 U	9 U	9 U
Pyridine		10 U	9 U	9 U
N-Nitrosodimethylamine		50 U	9 U	9 U
Ethyl methacrylate			9 U	9 U
Methyl methacrylate			9 U	9 U
2-Picoline			9 U	9 U
N-Nitrosomethylethylamine		50 U	9 U	9 U
Methyl methanesulfonate		10 U	9 U	9 U
N-Nitrosodiethylamine		20 U	9 U	9 U
Ethyl methanesulfonate		10 U	9 U	9 U
Pentachloroethane			9 U	9 U
Aniline		20 U	9 U	9 U
N-Nitrosodiphenylamine		40 U	9 U	9 U
Acetophenone		10 U	9 U	9 U
N-Nitrosomorpholine		10 U	9 U	9 U
O-Toluidine		10 U	9 U	9 U

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ANL-W GROUND WATER MONITORING - MW-11 - SEMIVOLATILE ORGANIC APPENDIX IX DATA

AREA	LOCATION	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGH00301HN	AGH01201HN	GROUND WATER
MEDIA	GROUND WATER	UB/L	GROUND WATER
UNITS	4-13.9%	5-9.9%	5-9.9%
DATE COLLECTED	AGH00301HN	AGH01001HN	AGH01001HN
SDG NUMBER			
1,4-Dioxane		9 U	9 U
N-Nitrosopiperidine		20 U	47 U
Dialkate		40 U	9 U
2,6-Dichlorophenol		10 U	9 U
Hexachloropropene		10 U	9 U
p-Phenylenediamine		100 U	9 U
N-Nitroso-di-n-butylamine		100 U	9 U
Safrole		10 R	9 U
1,2,4,5-Tetrachlorobenzene		10 U	9 U
Isofurfural		10 U	9 U
1,4-Naphthoquinone		100 U	9 U
1,3-Dinitrobenzene		100 U	9 U
Perchloroethylene		100 U	9 U
1-Naphthylamine		10 U	9 U
2-Naphthylamine		10 U	9 U
2,3,4,6-Tetrachlorophenol		10 U	9 U
5-Nitro-o-toluidine		10 U	9 U
Diphenylamine		10 U	9 U
1,3,5-Trinitrobenzene		20 U	9 U
Phenacetin		20 U	9 U
Chlorobenzilate		20 U	9 U
4-Aminobiphenyl		20 U	9 U
Pentachloronitrobenzene		20 U	9 U
Pronamide		10 U	47 R
2-sec-Butyl-4,6-dinitrophenol		20 U	9 U
4-Nitroquinoline-1-oxide		40 U	47 U
Methoxyprilene		100 U	19 R
Aramite		20 U	19 U
p-(Dimethylamino)azobenzene		10 U	19 U
3,3'-Dimethylbenzidine		10 U	9 U
Famphur		20 U	20 U
2-Acetylaminofluorene		20 U	9 U
7,12-Dimethylbenz(a)anthracene		10 U	9 U
3-Methylcholanthrene		10 U	9 U
Hexachlorophene		10 U	85 R
3-Methylphenol		10 U	1.000
O,O-Triethylphosphorothioate		10 U	1d
Thioniazin		10 U	3d
Dilution Factor			6(7)d
Field/Shipping Time			18(40)d
Extraction (Allowed)		Hold Time	
Analytical (Allowed)		Hold Time	

ANN-W GROUND WATER MONITORING - MW 12 - SEMIVOLATILE ORGANIC APPENDIX IX DATA

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AREA	LOCATION	TYPE OF LOCATION	SAMPLE NUMBER	FIELD MEASUREMENTS		TARGET COMPOUNDS	ANL-W M-12	MONITORING WELL AGW00401HN	GROUND WATER US/L	DATE COLLECTED	SDG NUMBER	
				Depth (ft)	650							
ANL-W	ANL-W M-12	MONITORING WELL AGW00401HN	AGW01301HN	715	648	Phenol bis(2-Chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene Benzyl alcohol 1,2-Dichlorobenzene 2-Methylphenol 3,5-Dimethylphenol 3- and/or 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol	MONITORING WELL AGW01701HN	MONITORING WELL AGW01301HN	GROUND WATER UG/L	3-20-95 AGW01301HN	4-12-94 AGW00301HN	10-31-95 AGW02701HN
ANL-W	ANL-W M-12	MONITORING WELL AGW02701HN	AGW02001HN	715	715	Phenol bis(2-Chloroethyl)ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene Benzyl alcohol 1,2-Dichlorobenzene 2-Methylphenol 3,5-Dimethylphenol 3- and/or 4-Methylphenol N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol Benzoic acid bis(2-Chloroethoxy)methane 2,4-Dichlorophenoxy 1,2,4-Trichlorobenzene Naphthalene 6-Chloroaniline Hexachlorobutadiene 4-Chloro-3-methylphenol 2-Methylnaphthalene Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene 2-Nitroaniline Dimethylphthalate Acenaphthylene 2,6-Dinitrotoluene 3-Nitroaniline Acenaphthene 2,4-Dinitrophenol 4-Nitrophenol Dibenzofuran 2,4-Dinitrotoluene 4-Nitrophthalate	MONITORING WELL AGW02001HN	MONITORING WELL AGW02701HN	GROUND WATER UG/L	5-16-95 AGW01701HN	3-20-95 AGW01301HN	10-31-95 AGW02701HN

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ANL-W GROUND WATER MONITORING - MW-12 - SEMIVOLATILE ORGANIC APPENDIX IX DATA

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AREA	ANL-W MW-12 MONITORING WELL AGW00401HN GROUND WATER UNITS DATE COLLECTED SDG NUMBER	ANL-W MW-12 MONITORING WELL AGW01301HN GROUND WATER ug/L 3-12-94 AGW00301HN	ANL-W MW-12 MONITORING WELL AGW01701HN GROUND WATER ug/L 3-20-95 AGW01701HN	ANL-W MW-12 MONITORING WELL AGW02001HN GROUND WATER ug/L 5-16-95 AGW02001HN	ANL-W MW-12 MONITORING WELL AGW02701HN GROUND WATER ug/L 7-31-95 AGW02701HN
4-Chlorophenyl-phenylether	10 U	9 U	10 U	10 U	10 U
Fluorene	10 U	9 U	10 U	10 U	10 U
4-Nitroaniline	50 C	47 C	50 C	50 C	48 C
4,6-Dinitro-2-methylphenol	50 C	47 C	50 C	50 C	48 C
N-Nitrosodiphenylamine (1)	10 U	9 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	9 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	9 U	10 U	10 U	10 U
Pentachlorophenol	50 C	47 C	50 C	50 C	48 C
Phenanthrene	10 U	9 U	10 U	10 U	10 U
Anthracene	10 U	9 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	9 U	10 U	10 U	10 U
Fluoranthene	10 U	9 U	10 U	10 U	10 U
Pyrene	10 U	9 U	10 U	10 U	10 U
Bury(benzyl)benzene	10 U	9 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10 U	9 U	20 U	20 U	19 C
Benzof(a)anthracene	10 U	9 U	10 U	10 U	10 U
Chrysene	10 U	9 U	10 U	10 U	10 U
Benzol(a)pyrene	10 U	9 U	10 U	10 U	10 U
Di-n-octyl-phthalate	10 U	9 U	10 U	10 U	10 U
Benzot(f)fluoranthene	10 U	9 U	10 U	10 U	10 U
Benzol(k)fluoranthene	10 U	9 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	9 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	9 U	10 U	10 U	10 U
Benzol(g,h,i)perylene	10 U	9 U	10 U	10 U	10 U
Pyridine	10 U	9 U	10 U	10 U	10 U
N-Nitrosodimethylamine	10 U	9 U	10 U	10 U	10 U
Ethyl methacrylate	10 U	9 U	10 U	10 U	10 U
Methyl methacrylate	20 U	19 U	10 U	10 U	10 U
2-Picoline	10 U	9 U	10 U	10 U	10 U
N-Nitrosomethylethylamine	50 U	50 U	9 U	9 U	10 U
Methylmethanesulfonate	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiethylamine	20 U	19 U	10 U	10 U	10 U
Ethyl methanesulfonate	20 U	19 U	10 U	10 U	10 U
Pentachloroethane	10 U	9 U	10 U	10 U	10 U
Aniline	20 U	40 U	10 U	10 U	10 U
N-Nitrosopyrrolidine	10 U	10 U	10 U	10 U	10 U
Acetophenone	10 U	10 U	10 U	10 U	10 U
N-Nitrosomorpholine	10 U	10 U	10 U	10 U	10 U
O-Tolidine	10 U	10 U	10 U	10 U	10 U

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AREA	LOCATION	TYPE OF LOCATION	SAMPLE NUMBER	MEDIA UNITS	DATE COLLECTED	SDG NUMBER	ANL-W MH-12 MONITORING WELL AGW00401HN GROUND WATER ug/L	ANL-W MH-12 MONITORING WELL AGW01301HN GROUND WATER ug/L	ANL-W MH-12 MONITORING WELL AGW01701HN GROUND WATER ug/L	ANL-W MH-12 MONITORING WELL AGW02001HN GROUND WATER ug/L	ANL-W MH-12 MONITORING WELL AGW02701HN GROUND WATER ug/L	Dilution Factor
							4-12-94 AGW00301HN	3-20-95 AGW01301HN	5-16-95 AGW01701HN	7-31-95 AGW02001HN	10-25-95 AGW02701HN	1.000 2d 7(7)d 8(40)d
1,4-Dioxane							20 U	9 U	10 U	10 U	10 U	1.000 2d 48 R
N-Nitrosopiperidine							40 D	47 U	50 U	10 U	10 U	1.000 2d 10 U
Diallate							10 D	9 U	10 U	10 U	10 U	1.000 2d 10 U
8,8-Dimethylphenethylamine												
2,6-Dichloropheno												
Hexachloropropene												
P-Phenylenediamine												
N-Nitroso-di-n-butylamine												
Safrole												
1,2,4,5-Tetrachlorobenzene												
Iosafrole												
1,4-Naphthoquinone												
1',3-Dinitrobenzene												
Pentachlorobenzene												
1-Naphthylamine												
2-Naphthylamine												
2,3,4,6-Tetrachlorophenol												
5-Nitro-o-toluidine												
Diphenylamine												
1,3,5-Trinitrobenzene												
Phenacetin												
Chlorobenzoate												
4-Aminobiphenyl												
Pentachloronitrobenzene												
Pronamide												
2-sec-Butyl-4,6-dinitrophenol												
4-Nitroquinoline-1-oxide												
Methaprylene												
Aramite												
p-(Dimethylamino)azobenzene												
3,3'-Dimethylbenzidine												
Fosphur												
2-Acetylaminofluorene												
7,12-Dimethylbenz(a)anthracene												
3-Methylcholanthrene												
Hexachlorophene												
3-Methylphenol												
o,o-Triethylphosphorothioate												
Thionazin												

1.000
2d
7(7)d
(40)d
17

1.000
2d
3(7)d
26(40)d

1.000
2d
8(40)d

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ANL-W GROUND WATER MONITORING - MW-13 - SEMIVOLATILE ORGANIC APPENDIX IX DATA

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AREA	LOCATION	TYPE OF LOCATION	SAMPLE NUMBER	MEDIA UNITS	DATE COLLECTED	SDG NUMBER	ANL-W MW-13	MONITORING WELL AGW01401IN GROUND WATER ug/L	ANL-W MW-13	MONITORING WELL AGW01801IN GROUND WATER ug/L	ANL-W MW-13	MONITORING WELL AGW02101IN GROUND WATER ug/L	ANL-W MW-13	MONITORING WELL AGW02801IN GROUND WATER ug/L	ANL-W MW-13	MONITORING WELL AGW03101IN GROUND WATER ug/L	ANL-W MW-13	MONITORING WELL AGW03701IN GROUND WATER ug/L
FIELD MEASUREMENTS																		
	Depth (ft)						636		642		643		642					
TARGET COMPOUNDS																		
Pheno							9	U	10	U	10	U	10	U	10	U	10	U
bis(2-Chloroethyl)ether							9	CCC	10	CCC	10	CCC	10	CCC	10	CCC	10	CCC
2-Chlorophenol							9	9	10	10	10	10	10	10	10	10	10	10
1,3-Dichlorobenzene							9	9	10	10	10	10	10	10	10	10	10	10
1,4-Dichlorobenzene							9	10	10	10	10	10	10	10	10	10	10	10
Benzyl alcohol							9	9	9	9	9	9	9	9	9	9	9	9
1,2-Dichlorobenzene							10	CCC	10	CCC	10	CCC	10	CCC	10	CCC	10	CCC
2-Methylphenol							10	10	10	10	10	10	10	10	10	10	10	10
bis(2-Chloroisopropyl)ether							10	CCC										
1- <i>n</i> -Methylbenzene							10	CCC										
N-Nitroso-di-n-propylamine							9	9	9	9	9	9	9	9	9	9	9	9
Hexachloroethane							9	9	9	9	9	9	9	9	9	9	9	9
Nitrobenzene							9	9	9	9	9	9	9	9	9	9	9	9
Isophorone							9	9	9	9	9	9	9	9	9	9	9	9
2-Nitrophenol							9	10	10	10	10	10	10	10	10	10	10	10
2,4-Dimethylphenol							9	CCC	10	CCC	10	CCC	10	CCC	10	CCC	10	CCC
Benzoic acid							47	50	50	50	50	50	50	50	50	50	50	50
bis(2-Chlorothoxy)methane							49	9	9	9	9	9	9	9	9	9	9	9
2,4-Dichlorophenol							9	9	9	9	9	9	9	9	9	9	9	9
1,2,4-Trichlorobenzene							9	10	10	10	10	10	10	10	10	10	10	10
Naphthalene							9	9	9	9	9	9	9	9	9	9	9	9
4-Chloronaphtalene							9	9	9	9	9	9	9	9	9	9	9	9
Hexachlorobutadiene							9	9	9	9	9	9	9	9	9	9	9	9
4-Chloro-3-methylphenol							9	9	9	9	9	9	9	9	9	9	9	9
2-Methylnaphthalene							9	9	9	9	9	9	9	9	9	9	9	9
Hexachlorocyclopentadiene							9	9	9	9	9	9	9	9	9	9	9	9
2,4,6-Trichlorophenol							47	50	50	50	50	50	50	50	50	50	50	50
2,4,5-Trichlorophenol							49	50	50	50	50	50	50	50	50	50	50	50
2-Chloronaphthalene							47	50	50	50	50	50	50	50	50	50	50	50
2-Nitroaniline							50	50	50	50	50	50	50	50	50	50	50	50
Dimethylphthalate							9	9	9	9	9	9	9	9	9	9	9	9
Acenaphthylene							9	9	9	9	9	9	9	9	9	9	9	9
2,6-Dinitrophenol							47	50	50	50	50	50	50	50	50	50	50	50
Dibenzofuran							49	50	50	50	50	50	50	50	50	50	50	50
2,4-Dinitrotoluene							47	50	50	50	50	50	50	50	50	50	50	50
Acenaphthene							49	50	50	50	50	50	50	50	50	50	50	50
2,4-Dinitrophenol																		
4-Nitrophenol																		
Dibenzo[1,2-d:4,5-d']diphenyl																		
2,4-Dinitrotoluene																		
Diethylphthalate																		

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ANL-W GROUND WATER MONITORING - MW-13 - SEMI-VOLATILE ORGANIC APPENDIX IX DATA

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AREA	LOCATION	TYPE OF LOCATION	SAMPLE NUMBER	MEDIA	UNITS	DATE COLLECTED	SDG NUMBER	ANL-W MW-13 MONITORING WELL AGH01401HN GROUND WATER ug/L	ANL-W MW-13 MONITORING WELL AGH01801HN GROUND WATER ug/L	ANL-W MW-13 MONITORING WELL AGH01701HN GROUND WATER ug/L	ANL-W MW-13 MONITORING WELL AGH02801HN GROUND WATER ug/L	ANL-W MW-13 MONITORING WELL AGH02001HN GROUND WATER ug/L
4-Chlorophenyl-phenylether	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	47 D	50 D	50 D	50 D	50 D	50 D	50 D	50 D	50 D	50 D	48 U	48 U
4,6-Dinitro-2-methylphenol	47 D	47 D	47 D	47 D	47 D	47 D	47 D	47 D	47 D	47 D	48 U	48 U
N-Nitrosodiphenylamine (1)	9 U	9 U	9 U	9 U	9 U	9 U	9 U	9 U	9 U	9 U	10 U	10 U
4-Bromophenyl-phenylether	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	19 U	20 D	20 D	20 D	20 D	20 D	20 D	20 D	20 D	20 D	20 D	20 D
3,3'-Dichlorobenzidine												
Benzo(a)anthracene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	270 D	270 D	270 D	270 D	270 D	270 D	270 D	270 D	270 D	270 D	29 B	29 B
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)pyrene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyridine	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodimethylamine	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl methacrylate	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl methacrylate	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Picoline	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosomethylbutylamine	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylmethanesulfonate	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiethylamine	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl methanesulfonate	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachloroethane	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Aniline	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosopyrrolidine	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
O-Toluidine	9 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

AREA	LOCATION	TYPE OF LOCATION	SAMPLE NUMBER	MEDIA UNITS	DATE COLLECTED	SDG NUMBER
ANL-W	W-13	MONITORING WELL	AGW01401HN	GROUND WATER	3-20-95	AGW01301HN
ANL-W	W-13	MONITORING WELL	AGW01601HN	GROUND WATER	5-16-95	AGW01701HN
ANL-W	W-13	MONITORING WELL	AGW02101HN	GROUND WATER	7-31-95	AGW02001HN
ANL-W	W-13	MONITORING WELL	AGW02801HN	GROUND WATER	10-25-95	AGW02701HN

ANL-W GROUND WATER MONITORING - CBR II #1 - ORGANOPHOSPHORUS PESTICIDE APPENDIX IX DATA

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<u>AREA</u>	ANL-W
<u>LOCATION</u>	EGR II #1
<u>TYPE OF LOCATION</u>	MONITORING WELL
<u>SAMPLE NUMBER</u>	AGD1001JP
<u>MEDIA</u>	GROUND WATER
<u>UNITS</u>	UG/L
<u>DATE COLLECTED</u>	5-10-95
<u>SDG NUMBER</u>	AGD1001JP

FIELD MEASUREMENTS

Depth (ft)

725

TARGET COMPOUNDS

Phorate 0.19 U
 Sulfotetradecyl 0.19 U
 Disulfoton 0.19 U
 Dimethoate 0.19 U
 Methyl parathion 0.19 U
 Parathion 0.19 U
 O,O-Triethyl Phosphorothioate 0.19 U
 Thionazin 0.19 U
 Fenthion 0.94 U

Dilution Factor 1.0
 Field/Shipping Time 2d
 Extraction (Allowed) Hold Time 5(7)d
 Analytical (Allowed) Hold Time 10(40)d

2-27-96

ANL-W GROUND WATER MONITORING - EBR II #2 - ORGANOPHOSPHORUS PESTICIDE APPENDIX IX DATA

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AREA	ANL-W	ANL-W
LOCATION	EBR II #2	EBR II #2
TYPE OF LOCATION	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGW00201HN	AGW0101JP
MEDIA	GROUND WATER	GROUND WATER
UNITS	ug/L	ug/L
DATE COLLECTED	5-18-94	5-9-95
SDG NUMBER	AGW00201HN	AGW01001JP

FIELD MEASUREMENTS

Depth (ft)

725

725

TARGET COMPOUND(S)

Phorate	10 R	0.19 U
Sulfotep	10 U	0.19 U
Disulfoton	10 U	0.19 U
Dimethoate	10 U	0.19 U
Methyl parathion	10 U	0.19 U
Parathion	10 U	0.19 U
0,0-Triethyl Phosphorthioate	0.19 U	0.19 U
Thionazin	0.19 U	0.19 U
Formaldehyde	0.22 U	0.22 U

Dilution Factor

Field/Shipping Time	1.0
Extraction (Allowed) Hold Time	2d
Analytical (Allowed) Hold Time	7(7)d
	6(7)d
	10(40)d

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ANL-W Ground Water Monitoring SQA Data Document 1994/1995 Method Validation Level A

ANL-W GROUND WATER MONITORING - MN-11 - ORGANOPHOSPHORUS PESTICIDE APPENDIX IX DATA

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AREA	ANL-W N-11	ANL-W N-11
LOCATION	MONITORING WELL AGW0301HN	MONITORING WELL AGW01201JP
TYPE OF LOCATION	GROUND WATER	GROUND WATER
SAMPLE NUMBER	4-13-94	5-9-95
MEDIA	Ug/L	Ug/L
UNITS	AGW0301HN	AGW01001JP
DATE COLLECTED		
SDG NUMBER		
FIELD MEASUREMENTS		
Depth (ft)	638	654.1
TARGET COMPOUND(S)		
Phorate	10 U	0.19 U
Sulfotep	10 U	0.19 U
Disulfoton	10 U	0.19 U
Dimethoate	10 U	0.19 U
Methyl parathion	10 U	0.19 U
benzethonium	10 U	0.19 U
0,0-Triethyl Phosphorothioate		
Thionazin		
Famphur		
Dilution Factor	1.0	
Field/Shipping Time	1d	3d
Extraction (Allowed) Hold Time	6(7)d	6(7)d
Analytical (Allowed) Hold Time	8(40)d	10(40)d

ANL-W Ground Water Monitoring SIA Data Document - 1994/1995 - Method Validation Level A

ANL-W GROUND WATER MONITORING - MW-12 - ORGANOPHOSPHORUS PESTICIDE APPENDIX IX DATA

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AREA	ANL-W MW-12	ANL-W MW-12	ANL-W MW-12	ANL-W MW-12
LOCATION	MONITORING WELL AGH00401HN	MONITORING WELL AGH01301JP	MONITORING WELL AGH01701JP	MONITORING WELL AGH02001JP
TYPE OF LOCATION	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
SAMPLE NUMBER	4-12-94	3/20-95	5-16-95	7-31-95
MEDIA	µg/L	µg/L	µg/L	µg/L
UNITS				
DATE COLLECTED	AGH00301HN	AGH01301JP	AGH01701JP	AGH02001JP
SDG NUMBER				
FIELD MEASUREMENTS				
Depth (ft)	650	648	715	715
TARGET COMPOUNDS				
Phorate	10 U	0.19 U	0.19 U	0.20 U
Sulfotep	10 U	0.19 U	0.19 U	0.20 U
Disulfoton	10 U	0.19 U	0.19 U	0.20 U
Dime-thoate	10 U	0.53 J	0.19 U	0.20 U
Methyl parathion	10 U	0.19 U	0.19 U	0.20 U
Parathion	10 U	0.19 U	0.19 U	0.20 U
0,0,0-Triethyl Phosphothioate		0.19 U	0.19 U	0.20 U
Thiophosgene		0.15 U	0.15 U	0.20 U
Fenphur		0.94 U	0.94 U	0.98 U
Dilution Factor	1.0	1.0	1.0	1.0
Field/Shipping Time	2d	2d	2d	2d
Extraction (Allowed) Hold Time	7(7)d	7(7)d	7(7)d	7(7)d
Analytical (Allowed) Hold Time	9(40)d	20(40)d	7(40)d	12(40)d

ANL-W Ground Water Monitoring S&A Data Document 1994/1995 Method Validation Level A
 ANL-W GROUND WATER MONITORING - MW-13 - ORGANOPHOSPHORUS PESTICIDE APPENDIX IX DATA

AREA	ANL-W MW-13	ANL-W MW-13	ANL-W MW-13	ANL-W MW-13
LOCATION	MONITORING WELL AGW01401JP	MONITORING WELL AGW01601JP	MONITORING WELL AGW02101JP	MONITORING WELL AGW02801JP
TYPE OF LOCATION	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
SAMPLE NUMBER				
MEDIA	ug/L	ug/L	ug/L	ug/L
UNITS				
DATE COLLECTED	3-20-95	5-16-95	7-31-95	10-25-95
SDG NUMBER	AGW01301JP	AGW01701JP	AGW02001JP	AGW02701JP
<hr/>				
FIELD MEASUREMENTS				
Depth (ft)	636	665	643	642
TARGET COMPOUNDS				
Phorate	0.19 U	0.19 U	0.20 U	0.19 U
Sulfotetop	0.19 U	0.19 U	0.20 U	0.19 U
Disulfoton	0.19 U	0.19 U	0.20 U	0.19 U
Dimethoate	0.50 U	0.19 U	0.20 U	0.19 U
Methyl parathion	0.19 U	0.19 U	0.20 U	0.19 U
Parathion	0.19 U	0.19 U	0.20 U	0.19 U
o-n-Triethyl Phosphorothionate	0.40 U	0.40 U	0.20 U	0.12 U
Thionezin	0.19 U	0.19 U	0.20 U	0.19 U
Famphur	0.94 U	0.94 U	0.98 U	0.93 U
Dilution Factor	1.0	1.0	1.0	1.0
Field/Shipping Time	2d	2d	2d	2d
Extraction (Allowed) Hold Time	7(7)d	3(7)d	7(7)d	7(7)d
Analytical (Allowed) Hold Time	20(40)d	7(40)d	12(40)d	13(40)d

ANL-W Ground Water Monitoring SEA Data Document - 1994/1995 - Method Validation Level A
 ANL-W GROUND WATER MONITORING - EBR II #1 ORGANOCHLORINE PESTICIDE APPENDIX IX DATA

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AREA	ANL-W	LOCATION	EBR II #1	TYPE OF LOCATION	MONITORING WELL	SAMPLE NUMBER	AGN01001FF	MEDIA	GROUND WATER	UNITS	ug/L	DATE COLLECTED	5-10-95	SDG NUMBER	AGN01001FF
FIELD MEASUREMENTS															
Depth (ft)	725	TARGET COMPOUND(S)													
alpha-HxC			0.050	U											
beta-HxC			0.050	U											
delta-HxC			0.050	U											
gamma-HxC (Lindane)			0.050	U											
Heptachlor			0.050	U											
Aldrin			0.050	U											
Heptachlor epoxide			0.050	U											
Endosulfan I			0.100	U											
Dieldrin			0.100	U											
4,4'-DDDE			0.100	U											
Endrin			0.100	U											
Endosulfan II			0.100	U											
4,4'-DDD			0.100	U											
Endosulfan sulfate			0.100	U											
4,4'-DDT			0.100	U											
Methoxychlor			0.500	U											
alpha-Chlordane			0.500	U											
gamma-Chlordane			0.500	U											
Oxepene			0.500	U											
Aroclor-1016			0.500	U											
Aroclor-1221			0.500	U											
Aroclor-1232			0.500	U											
Aroclor-1242			0.500	U											
Aroclor-1248			0.500	U											
Aroclor-1254			0.500	U											
Aroclor-1260			1	U											
Isodrin			0.100	U											
Kepone			0.500	U											
Endrin Aldehyde			0.100	U											
Dilution Factor												1.0			
Field/Shipping Time												2d			
Extraction (Allowed)												5(7)d			
Analytical (Allowed)												9(40)d			
Hold Time															
Hold Time															

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ANL-W GROUND WATER MONITORING - EBR 11 #2 - ORGANOCHLORINE PESTICIDE APPENDIX IX DATA

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AREA	LOCATION	ANL-W EBR 11 #2	ANL-W EBR 11 #2	ANL-W EBR 11 #2
SAMPLE NUMBER	MONITORING WELL	MONITORING WELL	MONITORING WELL	MONITORING WELL
MEDIA UNITS	AGW0201FF GROUND WATER ug/L	AGW0201HN GROUND WATER ug/L	AGW0201FF GROUND WATER ug/L	AGW0201HN GROUND WATER ug/L
DATE COLLECTED	5-18-94	5-18-94	5-18-94	5-18-94
SDG NUMBER	AGW0201FF	AGW0201HN	AGW0201FF	AGW0201HN
FIELD MEASUREMENTS				
DEPTH (FT)	725	725	725	725
TARGET COMPOUNDS				
alpha-BHC	0.050 U			0.050 U
beta-BHC	0.050 U			0.050 U
delta-BHC	0.100 U			0.050 U
gamma-BHC (Lindane)	0.050 U			0.050 U
Heptachlor	0.050 U			0.050 U
Aldrin	0.050 U			0.050 U
Heptachlor epoxide	0.100 U			0.050 U
Endosulfan I	0.050 U			0.050 U
Dieldrin	0.050 U			0.100 U
4,4'-DDT	0.050 U			0.100 U
Endrin	0.100 U			0.100 U
Endosulfan II	0.050 U			0.100 U
4,4'-DDD	0.100 U			0.100 U
Endosulfan sulfate	0.500 U			0.100 U
4,4'-DDT	0.100 U			0.100 U
Methoxychlor	2 U			0.500 U
alpha-Chlordane				0.500 U
gamma-Chlordane				0.500 U
Endrin Ketone	10 U			0 U
Toxaphene	2 U			1 U
Aroclor-1016	0.500 U			0.500 U
Aroclor-1221	0.500 U			0.500 U
Aroclor-1232	0.500 U			0.500 U
Aroclor-1242	0.500 U			0.500 U
Aroclor-1248	0.500 U			0.500 U
Aroclor-1254	0.500 U			0.500 U
Aroclor-1260	1 U			1 U
Isodrin			10 U	0.100 U
Kepone	0.200 U		100 R	0.500 U
Endrin Aldehyde			10 U	0.100 U
Di-alleate	0.100 U		10 U	
Chlordane (Technical)			10 U	
Chlorobenzilate				
Dilution Factor	1.0		1.0	1.0
Field/Shipping Time	2d		2d	3d
Extraction (Allowed)	6(7)d		7(7)d	6(7)d
Analytic(s) (Allowed)	15(40)d		22(40)d	9(40)d

ANL-W GROUND WATER MONITORING - MW-11 - ORGANOCHLORINE PESTICIDE APPENDIX IX DATA

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AREA	ANL-W H-1!	ANL-W H-1!	ANL-W H-1!
LOCATION	MONITORING WELL AGM00301FF	MONITORING WELL AGM00301HN	MONITORING WELL AGM01201FF
SAMPLE NUMBER	GROUND WATER	GROUND WATER	GROUND WATER
MEDIA	Ug/L	Ug/L	Ug/L
UNITS	4-13.94	4-13.94	5-9.95
DATE COLLECTED	AGM00301FF	AGM00301HN	AGM01001FF
SDG NUMBER			
FIELD MEASUREMENTS			
Depth (ft)	638	638	654.1
TARGET COMPOUNDS			
alpha-BHC	0.050 U	0.050 U	0.050 U
beta-BHC	0.050 U	0.050 U	0.050 U
delta-BHC	0.100 U	0.050 U	0.050 U
gamma-BHC (Lindane)	0.050 U	0.050 U	0.050 U
Heptachlor	0.050 U	0.050 U	0.050 U
Aldrin	0.050 U	0.1 U	0.050 U
Heptachlor epoxide	0.100 U	0.050 U	0.050 U
Endosulfan I	0.050 U	0.050 U	0.050 U
Dieldrin	0.050 U	0.050 U	0.100 U
4,4'-DDE	0.050 U	0.050 U	0.100 U
Endrin	0.100 U	0.100 U	0.100 U
Endosulfan II	0.050 U	0.050 U	0.100 U
4,4'-DDO	0.100 U	0.500 U	0.100 U
Endosulfan sulfate	0.500 U	0.500 U	0.100 U
4,4'-DDT	0.100 U	0.100 U	0.100 U
Methoxychlor	2 U	10 U	0.500 U
Endrin ketone			0 U
alpha-Chlordane			0 U
gamma-Chlordane			0.500 U
Toxaphene	2 U	1 U	1 U
Aroclor-1016	0.500 U	0.500 U	0.500 U
Aroclor-1221	0.500 U	0.500 U	0.500 U
Aroclor-1232	0.500 U	0.500 U	0.500 U
Aroclor-1242	0.500 U	0.500 U	0.500 U
Aroclor-1248	0.500 U	0.500 U	0.500 U
Aroclor-1254	1 U	1 U	1 U
Aroclor-1260			0.100 U
Isodrin			0.100 U
Kepone			0.500 U
Endrin Aldehyde	0.200 U	100 R	0.100 U
Di- <i>o</i> -tlate			10 U
Chlordane (Technical)	0.100	100 R	10 U
Chlorobenzilate			10 U
Dilution Factor	1.0	1.0	1.0
Field/Shipping Time	1d	1d	3d
Extraction (Allowed)	6(7)d	6(7)d	6(7)d
Analytical (Allowed)	10(40)d	10(40)d	9(40)d

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ANL-W GROUND WATER MONITORING - MW-12 - ORGANODCHLORINE PESTICIDE APPENDIX IX DATA

AREA	ANL-W	ANL-W	ANL-W	ANL-W
LOCATION	M-12	M-12	M-12	M-12
SAMPLE NUMBER	AGW0040IFF	AGW0040IHN	AGW0170IFF	AGW0200IFF
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	ug/L	ug/L	ug/L	ug/L
DATE COLLECTED	4-12-94	4-12-94	5-16-95	7-31-95
SDG NUMBER	AGW0030IFF	AGW0030IHN	AGW0170IFF	AGW0200IFF
FIELD MEASUREMENTS				
Depth (ft)	650	650	648	715
				715
				651
TARGET COMPOUNDS				
alpha-BHC	0.050 U	0.047 U	0.050 U	0.050 U
beta-BHC	0.050 U	0.047 U	0.050 U	0.046 U
delta-BHC	0.100 U	0.047 U	0.050 U	0.046 U
gamma-BHC (Lindane)	0.050 U	0.047 U	0.050 U	0.046 U
Heptachlor	0.050 U	0.047 U	0.050 U	0.046 U
Aldrin	0.050 U	0.047 U	0.050 U	0.046 U
Heptachlor epoxide	0.100 U	0.047 U	0.050 U	0.046 U
Endosulfan I	0.050 U	0.047 U	0.050 U	0.046 U
Dieledrin	0.050 U	0.094 U	0.100 U	0.100 U
4,4'-DDE	0.050 U	0.094 U	0.100 U	0.100 U
Endrin	0.100 U	0.094 U	0.100 U	0.100 U
Endosulfan II	0.050 U	0.094 U	0.100 U	0.100 U
4,4'-DDD	0.100 U	0.094 U	0.100 U	0.100 U
Endosulfan sulfate	0.500 U	0.094 U	0.100 U	0.100 U
4,4'-DDT	0.100 U	0.094 U	0.100 U	0.100 U
Methoxychlor	2 U	0.470 U	0.500 U	0.500 U
Endrin ketone	10 U	0.470 U	0.500 U	0.500 U
alpha-Chlordane	0.500 U	0.470 U	0.500 U	0.500 U
gamma-Chlordane	2 U	0.470 U	0.500 U	0.500 U
Toxaphene	0.500 U	0.940 U	1 U	1 U
Aroclor-1016	0.500 U	0.470 U	0.500 U	0.500 U
Aroclor-1221	0.500 U	0.470 U	0.500 U	0.500 U
Aroclor-1232	0.500 U	0.470 U	0.500 U	0.500 U
Aroclor-1242	0.500 U	0.470 U	0.500 U	0.500 U
Aroclor-1248	0.500 U	0.470 U	0.500 U	0.500 U
Aroclor-1254	1 U	0.940 U	1 U	1 U
Aroclor-1260	1 U	0.940 U	1 U	1 U
Isodrin	0.200 U	10 U	0.100 U	0.100 U
Kepone	0.200 U	100 R	0.500 U	0.500 U
Endrin Aldehyde	0.200 U	0.094 U	0.100 U	0.100 U
Di-allate			10 U	
Chlordane (Technical)	0.100		10 U	
Chlorobenzilate				
Dilution Factor	1.0	1.0	1.0	1.0
Field Shipping Time	2d	2d	2d	2d
Extraction (Allowed)	7(7)d	7(7)d	7(7)d	4(7)d
Analytical (Allowed)	10(40)d	8(40)d	9(40)d	11(40)d

ANL-W Ground Water Monitoring SIA Data Document

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ANL-W GROUND WATER MONITORING - MW-13 - ORGANOCHLORINE PESTICIDE APPENDIX IX DATA

Page 1 of 1

AREA	ANL-W MW-13	ANL-W MW-13	ANL-W MW-13	ANL-W MW-13
LOCATION	MONITORING WELL AGW01401JP	MONITORING WELL AGW01801FF	MONITORING WELL AGW02101FF	MONITORING WELL AGW02701FF
TYPE OF LOCATION	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
SAMPLE NUMBER				
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	µg/L	µg/L	µg/L	µg/L
DATE COLLECTED	3-20-95	5-16-95	7-31-95	10-25-95
SDG NUMBER	AGW01301JP	AGW01701FF	AGW02001FF	AGW02701FF
FIELD MEASUREMENTS				
Depth (ft)	636	665	643	642
TARGET COMPOUNDS				
alpha-BHC	0.047 U	0.050 U	0.050 U	0.046 U
beta-BHC	0.047 U	0.050 U	0.050 U	0.046 U
delta-BHC	0.047 U	0.050 U	0.050 U	0.046 U
gamma-BHC (Lindane)	0.047 U	0.050 U	0.050 U	0.046 U
Heptachlor	0.047 U	0.050 U	0.050 U	0.046 U
Aldrin	0.047 U	0.050 U	0.050 U	0.046 U
Heptachlor epoxide	0.047 U	0.050 U	0.050 U	0.046 U
Endosulfan I	0.094 C	0.100 C	0.100 C	0.093 C
Dielethrin	0.094 C	0.100 C	0.100 C	0.093 C
4,4'-DDT	0.094 C	0.100 C	0.100 C	0.093 C
Endrin	0.094 C	0.100 C	0.100 C	0.093 C
Endosulfan II	0.094 C	0.100 C	0.100 C	0.093 C
4,4'-DDD	0.094 C	0.100 C	0.100 C	0.093 C
Endosulfan sulfate	0.094 C	0.100 C	0.100 C	0.093 C
4,4'-DDT	0.094 C	0.100 C	0.100 C	0.093 C
Methoxychlor	0.470 C	0.500 C	0.500 C	0.460 C
alpha-Chlordane	0.470 C	0.500 C	0.500 C	0.460 C
gamma-Chlordane	0.470 C	0.500 C	0.500 C	0.460 C
Toxaphene	0.940 C	1 C	1 C	1 C
Aroclor-1016	0.470 C	0.500 C	0.500 C	0.460 C
Aroclor-1221	0.470 C	0.500 C	0.500 C	0.460 C
Aroclor-1232	0.470 C	0.500 C	0.500 C	0.460 C
Aroclor-1242	0.470 C	0.500 C	0.500 C	0.460 C
Aroclor-1248	0.470 C	0.500 C	0.500 C	0.460 C
Aroclor-1254	0.940 C	1 C	1 C	1 C
Aroclor-1260	0.940 C	1 C	1 C	0.930 C
Kepone	0.470 C	0.500 C	0.500 C	0.460 C
Endrin Aldehyde	0.084 U	0.100 U	0.100 U	0.093 U
Dilution Factor	1.0	1.0	1.0	1.0
Field/Shipping Time	7(2)d	3(7)d	7(40)d	11(40)d
Extraction (Allowed) Hold Time	9(40)d	4(7)d	11(40)d	10(40)d
Analytical (Allowed) Hold Time				

ANL-W Ground Water Monitoring S&A Data Document

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ANL-W GROUND WATER MONITORING - NW-12 - SW-846 METHOD 6150 ORGANOCHLORINE HERBICIDE DATA

Page 1 of 1

AREA	ANL-W N-12	ANL-W N-12	ANL-W N-12
LOCATION	MONITORING WELL AGW01301FF	MONITORING WELL AGW01701UH	MONITORING WELL AGW02001FF
TYPE OF LOCATION	GROUND WATER	GROUND WATER	GROUND WATER
SAMPLE NUMBER	U9/L	U9/L	U9/L
MEDIA	3-20-95	5-16-95	7-31-95
UNITS	AGW01301FF	AGW01701UH	AGW02001FF
DATE COLLECTED			
SDG NUMBER			
FIELD MEASUREMENTS			
Depth (ft)	648	715	715
			651
TARGET COMPOUNDS			
Z-4-D	0.94 U	0.94 U	1 U
Silvex	0.47 U	0.47 U	0.50 U
2,4,5-T	0.47 U	0.47 U	0.50 U
Dilution Factor	1.0	1.0	1.0
Field Sampling Time	22	22	22
Extraction (Allowed) Hold Time	7(7)d	3(7)d	3(7)d
Analytical (Allowed) Hold Time	20(40)d	5(40)d	3(40)d

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ANL-W GROUND WATER MONITORING - MW-13 - SW-846 METHOD 8150 ORGANOCHLORINE HERBICIDE DATA

Page 1 of 1

AREA	ANL-W	ANL-W	ANL-W	ANL-W
LOCATION	MONITORING WELL AGW0140IFF	MONITORING WELL AGW01801UH	MONITORING WELL AGW02101UH	MONITORING WELL AGW02801UH
TYPE OF LOCATION	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
SAMPLE NUMBER	3-20-95	5-16-95	7-31-95	10-25-95
MEDIA	µg/L	µg/L	µg/L	µg/L
UNITS				
DATE COLLECTED	AGW0130IFF	AGW01701UH	AGW0200IFF	AGW02701UH
SDG NUMBER				
<hr/>				
FIELD MEASUREMENTS				
Depth (ft)	636	665	643	642
TARGET COMPOUNDS				
Z-4-D	0.74 U	0.94 U	1 U	0.93 U
Silvex	0.47 U	0.47 U	0.50 U	0.46 U
Z-4,5-T	0.47 U	0.47 U	0.50 U	0.46 U
Dilution Factor	1.0	1.0	1.0	1.0
Field Shipping Time	2d	2d	2d	2d
Extraction (Allowed) Hold Time	7(7)d	3(7)d	3(7)d	5(7)d
Analytical (Allowed) Hold Time	20(10)d	5(5)d	4(4)d	5(4)d

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ANL-W GROUND WATER MONITORING - MW-12 - INORGANIC DATA

Page 1 of 2

AREA	ANL-W MW-12	ANL-W MW-12	ANL-W MW-12
LOCATION	MONITORING WELL AGH00401AM	MONITORING WELL AGH01301AM	MONITORING WELL AGH01701AM
TYPE OF LOCATION	GROUND WATER	GROUND WATER	GROUND WATER
SAMPLE NUMBER	4-12-94	3-20-95	5-16-95
MEDIA UNITS	ug/L	ug/L	ug/L
DATE COLLECTED	AGH0301AM	AGH01301AM	AGH01701AM
SDG NUMBER			
FIELD MEASUREMENTS			
Depth (ft)	650	648	715
			715
			715
ANALYTES			
Aluminum	49.0 U	67.7 BU	20.7 *U
Antimony	5.0 U	27.4 B	26.5 UN
Arsenic	3.0 UW	1.7 B	2.3 U*
Barium	57.7 B	57.5 BU	58.7
Beryllium	1.5 BU	0.70 U	0.70 U
Cadmium	6.2	3.5 U	3.5 U
Calcium	36200 EJ	36200 EJ	36200 EJ
Chromium	7.0 U	4.2 U	4.4 U
Cobalt	11.0 U	3.3 U	3.3 U
Copper	8.0 U	10.1 B	3.1 U
Cyanide			5.0 U
Iron	1610 N*J	21.4 BU	52.6 *U
Lead	1.0 U	10.3 N	1.5 NUJ
Magnesium	10100	11400 EJ	11200 EJ
Manganese	3.0 U	3.8 U	3.8 U
Mercury	0.11 BU	0.10 U	0.10 U
Nickel	15.0 U	10.3 U	10.3 U
Potassium	5520 NJ	6130 MU	5450 MU
Selenium	3.0 NMU	0.80 MU	4.4 *U
Silver	2.0 UW	3.5 U	3.5 U
Sodium	18800	20600	19800 EJ
Thallium	1.0 U	1.3 U	2.3 U
Tin	143 U	26.2 U	26.2 U
Vanadium	13.0 U	6.7 U	7.0 *
Zinc	18.5 B	77.2 *J	76.8
Total (Allowed) Hold Time ^a	6(180)d	5(180)d	9(180)d
Total (Allowed) Hold Time ^b	16(28)d	8(28)d	8(28)d
Total (Allowed) Hold Time ^c	6(180)d	5(180)d	6(180)d
Total (Allowed) Hold Time ^d	6(180)d	5(180)d	6(12)d

- a. ICP/FAAS
 b. CVAA
 c. GFAA
 d. Cyanide

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ANL-W GROUND WATER MONITORING - MW-12 - INORGANIC DATA

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AREA	ANALYST	ANALYST	ANALYST
LOCATION	M-12	M-12	M-12
SAMPLE NUMBER	AGW02001C2	AGW02701AM	AGW02701C2
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	ug/L	ug/L	ug/L
DATE COLLECTED	7-31-95	10-25-95	10-25-95
SDG NUMBER	AGW02001AM	AGW01501AM	AGW01501AM
FIELD MEASUREMENTS			
Depth (ft)	715	651	651
ANALYTES			
Aluminum			
Antimony	43.2 U	1.9 N	
Arsenic	55.4	1.5 U	
Barium			
Beryllium			
Cadmium	3.4 U		
Calcium			
Chromium	9.6 U	2.7 U	
Cobalt			
Copper	4.7 U		
Cyanide			
Iron	5.0 U		
Lead		1.3 MU	
Magnesium			
Manganese			
Mercury	0.10 UNA		
Nickel	14.9 U		
Potassium			
Selenium		1.6 UNA	
Silver		9.1 U	
Sodium			
Thallium	0.90 UNA		
Tin	32.8 U		
Vanadium		6.8	
Zinc		56.3 EN* J	
Total (Allowed)	Hold Time ^b		
Total (Allowed)	Hold Time ^b		
Total (Allowed)	Hold Time ^c		
Total (Allowed)	Hold Time ^d		
	3(12)d		

- a. ICP/FAAS
- b. CVAAAS
- c. GFAAS
- d. Cyanide

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ANL-W GROUND WATER MONITORING - EBR II #1 - INORGANIC DATA

Page 1 of 1

AREA	LOCATION	ANALYST	EBR II #1	EBR II #1
	TYPE OF LOCATION	MONITORING WELL	MONITORING WELL	MONITORING WELL
	SAMPLE NUMBER	AGW0100 AM	AGW02401LA	AGW02401LA
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	ug/L	ug/L	ug/L	ug/L
DATE COLLECTED	5-10-95	5-10-95	5-29-95	5-29-95
SDG NUMBER	AGW01001AM	AGW02401LA	AGW02401LA	AGW02401LA
FIELD MEASUREMENTS			725	725
Depth (ft)				
ANALYTES				
Aluminum			54.1 U	54.1 U
Antimony			26.5 U	27.2 U
Arsenic			2.9	2.5
Barium			37.3	36.2
Beryllium			0.70 U	0.70 U
Cadmium			3.5 U	3.1 U
Calcium			39200 ENU	39200 ENU
Chromium			4.2 U*	4.3
Cobalt			3.3 U	2.9 U*
Copper			3.1 UN	1.9 U
Iron			583	583
Lead			1.1	2.1 NU
Magnesium			12300 EJ	12300 EJ
Manganese			3.3 U	3.3 U
Mercury			0.10 U	0.10 U
Nickel			10.3 U	6.9 U
Potassium			335	335
Selenium			3.2	1.5 U
Silver			3.5	2.5 U
Sodium			17600	17600
Thallium			1.8 U	2.0 U
Tin			26.2 U	40.9 U
Vanadium			6.7 U	6.6
Zinc			16.8 uU	15.1 *
Total (Allowed) Hold Time ^a			10(180)d	3(180)d
Total (Allowed) Hold Time ^b			6(28)d	8(28)d
Total (Allowed) Hold Time ^c			10(180)d	7(180)d

- a. ICP/FAAS
 b. CVAAS
 c. GFAAS

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ANL-W GROUND WATER MONITORING - EBR II #2 - INORGANIC DATA

FIELD MEASUREMENTS	Depth (ft)	725	725	725
ANALYTES				
Aluminum				
Antimony		70.0 BU	26.5 U	45.1 U
Arsenic		15.0 U	2.5	27.2 U
Barium		3.8 BU	42.1	2.0 U
Beryllium		35.6 B	0.70 U	35.5
Cadmium		1.0 U		0.70 U
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Mercury				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				
Total (Allowed)	Hold Time ^a	1.0 U	1.8 U	2.0 U
Total (Allowed)	Hold Time ^b	143 U	26.2 U	40.9 U
Total (Allowed)	Hold Time ^c	13.0 U	7.6	5.7
Total (Allowed)	Hold Time ^d	164 N ^e J	20.5 *U	41.0 *
Total (Allowed)	Hold Time ^a	25(180)d	11(180)d	4(180)d
Total (Allowed)	Hold Time ^b	22(28)d	7(28)d	9(28)d
Total (Allowed)	Hold Time ^c	25(180)d	11(180)d	8(180)d
Total (Allowed)	Hold Time ^d			

a. ICP/FAAS

b. CVAAS

c. GFAAS

d. Cyanide

2-27-96

ANL-W Ground Water Monitoring S&A Data Document

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ANL-W GROUND WATER MONITORING - MW-11 - INORGANIC DATA

AREA	ANL-W MW-11	ANL-W MW-11	ANL-W MW-11
LOCATION	MONITORING WELL AGD0301AM	MONITORING WELL AGD01201AM	MONITORING WELL AGD02301LA
SAMPLE NUMBER			
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	ug/L	ug/L	ug/L
DATE COLLECTED	4-13-94	5-9-95	8-29-95
SDG NUMBER	AGD0301AM	AGD01001AM	AGD02301LA
FIELD MEASUREMENTS			
Depth (ft)	638	654.1	640
ANALYTES			
Antimony	49.0 U	26.5 U	47.3 U
Arsenic	5.0 U	2.7	27.2 U
Barium	3.0 U	34.6	2.0 U
Beryllium	35.0 B	0.70 U	36.9
	1.1 BU		0.70 U
Cadmium	2.9 B	3.5 U	3.1 U
Calcium	27700 mg/L		30000 mg/L
Chromium	7.0 U	15.5 *	5.0
Cobalt	11.0 U	3.3 U	3.2 *
Copper	15.8 B	16.3 N	4.4
	15.8 BU		
Iron	218 N*J		99.0 U
Lead	1.3 B	0.70 U	1.0 UN
Magnesium	12500		12200 EJ
Manganese	3.0 U		3.3 U
Mercury	0.10 *U	0.10 U	0.10 U
Nickel	15.0 U	10.3 U	6.9 U
Potassium	3360 BN		2990
Selenium	3.0 NMUJ		
Silver	2.0 U	3.5 U	1.5 U
Sodium	18000		2.5 U
			17700
Thallium	1.0 U	1.8 U	2.0 U
Tin	143 U	26.2 U	40.9 U
Vanadium	20.3 B	6.7 U	7.4
Zinc	8.0 B	33.5 *	26.6 *
Total (Allowed)	5(180)d	11(180)d	3(180)d
Total (Allowed)	5(28)d	7(28)d	8(28)d
Total (Allowed)	5(180)d	11(180)d	7(180)d

- a. ICP/FAAS
 b. CVAA
 c. GF/FAAS

ANL-W Ground Water Monitoring S&A Data Document - 1994/1995 - Method Validation Level A

ANL-W GROUND WATER MONITORING - MM-13 - INORGANIC DATA

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AREA	ANL-W H-13	ANL-W H-13	ANL-W H-13	ANL-W H-13
LOCATION	MONITORING WELL AGW01401AM	MONITORING WELL AGW01801AM	MONITORING WELL AGW0201C2	MONITORING WELL AGW02101AM
SAMPLE NUMBER				
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	ug/L	ug/L	ug/L	ug/L
DATE COLLECTED	3-20-95	5-16-95	5-16-95	7-31-95
SDG NUMBER	AGW01301AM	AGW01701AM	AGW01701AM	AGW02001AM
FIELD MEASUREMENTS				
Depth (ft)	636	665	665	643
ANALYTES				
Aluminum	62.0 BU	18.0 *UJ	69.5 *	69.5 *
Antimony	26.5 U	26.5 UN	54.7 U	54.7 U
Arsenic	2.1 B	3.1 *U	1.6 *	1.6 *
Barium	40.0 B	36.5	39.8	39.8
Beryllium	0.70 U	0.70 U	0.40 U	0.40 U
Cadmium	3.5 U	3.5 U	3.0 U	3.0 U
Calcium	42000 EJ	41600 EJ	42000	42000
Chromium	4.2 U	4.2 U	9.7 U	9.7 U
Cobalt	3.3 U	3.3 U	0.0	0.0
Copper	7.8 B	3.4	9.5 U	9.5 U
Cyanide			5.0 U	5.0 U
Iron	37.1 BU	71.6 *U	492 *	492 *
Lead	4.9 NU	1.5 NUJ	2.0 *	2.0 *
Magnesium	13500 EJ	13400 EJ	13700	13700
Manganese	3.8 U	3.8 U	5.5	5.5
Mercury	0.10 U	0.10 U	0.10 U	0.10 U
Nickel	10.3 U	10.3 U	21.0 U	21.0 U
Potassium	6160	5580	6040	6040
Selenium	0.80 NUJ	1.2 *U	1.2 NUJ	1.2 NUJ
Silver	3.5 U	3.5 U	6.0 U	6.0 U
Sodium	22400	21000 EJ	21400	21400
Thallium	1.3 U	2.3 U	1.7 U	1.7 U
Tin	26.2 U	26.2 U	22.5 U	22.5 U
Vanadium	9.3 B	7.4 *	6.6	6.6
Zinc	31.6 *U	11.3 U	67.2 *	67.2 *
Total (All allowed)	5(180)d	9(180)d	11(180)d	11(180)d
Total (All allowed)	8(28)d	6(28)d	8(28)d	8(28)d
Total (All allowed)	5(180)d	5(180)d	15(180)d	15(180)d
Total (All allowed)		6(12)d		3(12)d

- a. ICP/FAAS
- b. CVAA
- c. GFAS
- d. Cyanide

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ANL-W GROUND WATER MONITORING - MU-13 - INORGANIC DATA

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AREA	ANL-W	LOCATION	M-13	MONITORING WELL	M-13
TYPE OF LOCATION		SAMPLE NUMBER	AGW02801AM	GROUND WATER	AGW02801C2
MEDIA		UNITS	U/L	GROUND WATER	
DATE COLLECTED	10-25-95	SDG NUMBER	AGW01501AM	U/L	10-25-95
FIELD MEASUREMENTS		Depth (ft)	642		
ANALYTES					
Aluminum					
Antimony			105	N	3.6
Arsenic					43.0
Barium					1.5 U
Beryllium					
Cadmium					3.4 U
Calcium					
Chromium					9.6 U
Cobalt					2.7 U
Copper					7.6
Cyanide					
Iron					5.0 U
Lead					
Magnesium					3.8 NU
Manganese					
Mercury					0.10 UNA
Nickel					14.9 U
Potassium					
Selenium					2.1 R
Silver					6.3 U
Sodium					
Thallium					0.90 UNA
Tin					2640
Zinc					20.7
Total (Allowed) Hold Time ^a					9(180)d
Total (Allowed) Hold Time ^b					7(28)d
Total (Allowed) Hold Time ^c					9(180)d
Total (Allowed) Hold Time ^d					7(12)d

- a. ICP/FAAS
- b. CVAA
- c. GFAs
- d. Cyanide

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ANL-W GROUND WATER MONITORING - INORGANIC FIELD BLANK DATA

AREA	ANL-W QC
TYPE OF LOCATION	FIELD BLANK
SAMPLE NUMBER	AGW0501AM
MEDIA	WATER
UNITS	ug/L
DATE COLLECTED	10-25-95
SDG NUMBER	AGW0501AM
ANALYTICS	
Antimony	99.2
Arsenic	91.5 N
Barium	34.3
Beryllium	4.8
Cadmium	44.7
Chromium	103
Cobalt	180
Copper	217
Lead	64.0 N
Mercury	1.8 NJ
Nickel	121
Selenium	72.0 K
Silver	49.0 U
Thallium	40.0 NJ
Tin	32.8 U
Vanadium	174
Zinc	301 EN*J
Total (Allowed)	Hold Time ^a
Total (Allowed)	Hold Time ^b
Total (Allowed)	Hold Time ^c
	9(180)d
	7(28)d
	9(180)d

- e. ICP/FAS
 b. CVAAS
 c. GFAAS

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ANL-W Ground Water Monitoring S&A Data Document - 1994/1995 - Method Validation Level A

ANL-W GROUND WATER MONITORING - EBR II #1 - ANALYSIS RESULTS FOR RADIONUCLIDE DATA

Page 1 of 1

AREA	ANL-W	ANL-W	ANL-W	ANL-W
LOCATION	EBR II #1	MONITORING WELL	MONITORING WELL	EBR II #1
TYPE OF LOCATION		AGW01001FX	AGW02401FX	MONITORING WELL
SAMPLE NUMBER				AGW02401FX
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	PCi/L D	PCi/L D	PCi/L D	PCi/L D
DATE COLLECTED	5-9-95 Q	5-9-95 Q	8-28-95 Q	8-28-95 Q
SDG NUMBER	AGW01001FX F	AGW01001FX F	AGW02301FX F	AGW02301FX F
<u>FIELD MEASUREMENTS</u>				
Depth (ft)	725	725	725	725
<u>Gross Alpha</u>	1.00E+00 ± 8.00E-01 U			3.00E+00 ± 1.00E+00
<u>Gross Beta</u>		3.80E+00 ± 1.20E+00		3.00E+00 ± 1.10E+00
<u>Beta Emitters</u>				
Technetium - 99				
Tritium	2.00E-01 ± 8.00E-01 U	0.00E+00 ± 1.21E+02 U	0.00E+00 ± 6.00E-01 U	1.13E+02 ± 1.92E+02 U
<u>Gamma Emitters</u>				
Antimony - 125				
Cerium - 144				
Cesium - 134				
Cesium - 137				
Cobalt - 58				
Cobalt - 60				
Europium - 152				
Europium - 154				
Ruthenium - 103				
Ruthenium - 106				

- The DAF column contains any data qualifier flags.

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ANL-W GROUND WATER MONITORING - EBR II #2 - ANALYSIS RESULTS FOR RADIONUCLIDE DATA

Page 1 of 1

AREA	ANL-W EBR II #2	ANL-W MONITORING WELL AGW01101FX	ANL-W GROUND WATER PCi/L D 5-9-95 Q	ANL-W EBR II #2 MONITORING WELL AGW02501FX	ANL-W GROUND WATER PCi/L D 8-29-95 Q	ANL-W EBR II #2 MONITORING WELL AGW02301FX
LOCATION	MONITORING WELL	MONITORING WELL	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
TYPE OF LOCATION	EBR II #2	EBR II #2	AGW01101RB	AGW02501FB	PCi/L D	PCi/L D
SAMPLE NUMBER	AGW01101FX	AGW01101FX	AGW01101FX	AGW02501FX	8-29-95 Q	8-29-95 Q
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	PCi/L D	PCi/L D
UNITS	PCi/L D	PCi/L D	PCi/L D	PCi/L D	PCi/L D	PCi/L D
DATE COLLECTED	5-9-95 Q	5-9-95 Q	5-9-95 Q	5-9-95 Q	8-29-95 Q	8-29-95 Q
SDG NUMBER	AGW01001FX F	AGW01001FX F	AGW01001FX F	AGW01001FX F	AGW02301FX F	AGW02301FX F
<hr/>						
<u>FIELD MEASUREMENTS</u>						
Depth (ft)	725	725	725	725	725	725
<u>Gross Alpha</u>	1.80E+00 ± 1.00E+00 U				1.70E+00 ± 9.00E-01	
<u>Gross Beta</u>	3.80E+00 ± 1.20E+00				2.60E+00 ± 1.10E+00	
<u>Beta Emitters</u>						
<u>Technetium - 99</u>	8.00E-01 ± 8.00E-01 U				1.00E-01 ± 5.00E-01 U	
<u>Radium</u>					0.00E+00 ± 1.86E+02 U	
<u>Gamma Emitters</u>						
<u>Antimony - 125</u>						
Cerium - 144						
Cesium - 134						
Cesium - 137						
Cobalt - 58						
Cobalt - 60						
Europium - 152						
Europium - 154						
Ruthenium - 103						
Ruthenium - 106						

- a. The DAF column contains any data qualifier flags.

ANL-W Ground Water Monitoring S&A Data Document

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ANL-W GROUND WATER MONITORING - M-11 - ANALYSIS RESULTS FOR RADIONUCLIDE DATA

Page 1 of 2

AREA	ANL-W M-11	ANL-W M-11	ANL-W M-11
LOCATION	MONITORING WELL AGW00301FX	MONITORING WELL AGW00301RA	MONITORING WELL AGW01201RB
TYPE OF LOCATION	GROUND WATER	GROUND WATER	GROUND WATER
SAMPLE NUMBER	AGW00301FX F	AGW00301RA	AGW01201RB
MEDIA	PCi/L D	PCi/L D	PCi/L D
UNITS	4-13-94 Q	4-13-94 Q	5-9-95 Q
DATE COLLECTED	AGW00301FX F	AGW00301RA	AGW01201RB
SDG NUMBER			
<u>FIELD MEASUREMENTS</u>			
Depth (ft)	638	654.1	654.1
Gross Alpha	4.20E+00 ± 1.10E+00	2.00E-01 ± 8.00E-01 U	2.30E+00 ± 9.00E-01
Gross Beta	6.30E+00 ± 1.10E+00	4.30E+00 ± 1.20E+00	2.50E+00 ± 1.10E+00
Beta Emitters			
Technetium - 99	2.00E-01 ± 4.00E-01 U	5.00E-01 ± 7.00E-01 U	8.00E-01 ± 6.00E-01
Tritium			
<u>Sample Summary</u>			
Antimony - 125			
Cerium - 144			
Cesium - 134			
Cesium - 137			
Cobalt - 58			
Cobalt - 60			
Europium - 152			
Europium - 154			
Ruthenium - 103			
Ruthenium - 106			

a. The DQF column contains any data qualifier flags.

ANL-W Ground Water Monitoring S&A Data Document - 1994/1995 - Method Validation Level A
 ANL-W GROUND WATER MONITORING - MW-11 - ANALYSIS RESULTS FOR RADIONUCLIDE DATA (continued)

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<u>AREA</u>	ANL-W				
<u>LOCATION</u>	W-11 MONITORING WELL AGW02301R8				
<u>SAMPLE NUMBER</u>	GROUND WATER PCV/L D 8-29-95 Q				
<u>MEDIA</u>	SDG NUMBER AGW02301FX F				
<u>UNITS</u>					
<u>DATE COLLECTED</u>					
<u>SDG NUMBER</u>					
<u>FIELD MEASUREMENTS</u>					
<u>Depth (ft)</u>	640				
<u>Gross Alpha</u>					
<u>Gross Beta</u>					
<u>Beta Emitters</u>					
<u>Technetium - 99</u>	n none/00 ± 1.065±0.02 1				
<u>Gamma Emitters</u>					
<u>Antimony - 125</u>					
Cerium - 144					
Cesium - 134					
Cesium - 137					
Cobalt - 58					
Cobalt - 60					
Europium - 152					
Europium - 154					
Ruthenium - 103					
Ruthenium - 106					

- a. The DQF column contains any data qualifier flags.

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ANL-W GROUND WATER MONITORING - MW-12 - ANALYSIS RESULTS FOR RADIONUCLIDE DATA

Page 1 of 3

AREA	ANL-W M-12	ANL-W M-12	ANL-W M-12	ANL-W M-12
LOCATION	MONITORING WELL	MONITORING WELL	MONITORING WELL	MONITORING WELL
TYPE OF LOCATION	AGN0401EH	AGN01301EH	AGN01301R8	AGN01301R8
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	PCU/L D	PCU/L D	PCU/L D	PCU/L D
DATE COLLECTED	4-12-94 Q	3-20-95 Q	3-20-95 Q	3-20-95 Q
SDG NUMBER	AGN00301FX E	AGN01301EH F	AGN01301EH F	AGN01301EH F
FIELD MEASUREMENTS				
Depth (ft)	650	648	648	715
Gross Alpha	2.80E+00 ± 1.00E+00	1.00E+00 ± 8.00E-01		
Gross Beta	8.10E+00 ± 1.10E+00	6.50E+00 ± 1.20E+00		
Alpha Emitters				
Americium - 241	7.00E-02 ± 7.00E-02	3.70E-01 ± 1.00E-01		
Neptunium - 237	2.80E-01 ± 1.10E-01	7.10E+00 ± 6.00E-01		
Plutonium - 238	0.00E+00 ± 4.00E-02	0.00E+00 ± 7.00E-02		
Plutonium - 239, 240	0.00E+00 ± 7.00E-02	0.00E+00 ± 7.00E-02		
Plutonium - 241		0.00E+00 ± 1.30E+00		
Uranium - 234	7.00E-01 ± 3.00E-01	1.50E+00 ± 4.00E-01		
Uranium - 235	0.00E+00 ± 2.00E-01	1.00E-02 ± 1.20E-01		
Uranium - 238	5.00E-01 ± 3.00E-01	7.00E-01 ± 3.00E-01		
Beta Emitters				
Strontium - 90	0.00E+00 ± 4.00E-01	6.00E-01 ± 4.00E-01		
Technetium - 99	3.00E-01 ± 4.00E-01	0.00E+00 ± 4.00E-01		
Tritium		9.90E+01 ± 1.12E+02		
Gamma Emitters				
Antimony - 125	.....	.....	.....	.....
Cerium - 144	.....	.....	.....	.....
Cesium - 134	.....	.....	.....	.....
Cesium - 137	.....	.....	.....	.....
Cobalt - 58	.....	.....	.....	.....
Cobalt - 60	.....	.....	.....	.....
Europium - 152	.....	.....	.....	.....
Europium - 154	.....	.....	.....	.....
Iodine - 129	.....	.....	.....	.....
Ruthenium - 103
Ruthenium - 106

e. The DgF column contains any data qualifier flags.

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ANL-W Ground Water Monitoring S&A Data Document - 1994/1995 - Method Validation Level A

ANL W GROUND WATER MONITORING - MU-12 - ANALYSIS RESULTS FOR RADIONUCLIDE DATA (Continued)

AREA	LOCATION	TYPE OF LOCATION	SAMPLE NUMBER	MEDIA	UNITS	DATE COLLECTED	SDG NUMBER	ANL-W H-12 MONITORING WELL AGW01701R8 GROUND WATER pCi/L 5-16-95 Q AGW01701EH F	ANL-W H-12 MONITORING WELL AGW01701RI GROUND WATER pCi/L D 5-16-95 Q AGW01701EH F	ANL-W H-12 MONITORING WELL AGW02001EH GROUND WATER pCi/L D 7-31-95 Q AGW02001EH F	ANL-W H-12 MONITORING WELL AGW02001RB GROUND WATER pCi/L D 7-31-95 Q AGW02001EH F
FIELD MEASUREMENTS											
	Depth (ft)							715	715	715	715
	<u>Gross Alpha</u>								1.90E+00 ± 9.00E-01		
	<u>Gross Beta</u>								6.50E+00 ± 1.30E+00		
	<u>Alpha Emitters</u>										
	Americium - 241								5.30E-01 ± 1.00E-01		
	Manganese - 257								7.00E-01 ± 2.00E-01		
	Plutonium - 238								0.00E+00 ± 6.00E-02		
	Plutonium - 239,240								0.00E+00 ± 4.00E-02		
	Plutonium - 241										
	Uranium - 234								8.00E-01 ± 3.00E-01	J	
	Uranium - 235								0.00E+00 ± 1.00E-01		
	Uranium - 238								7.00E-01 ± 3.00E-01		
	<u>Beta Emitters</u>										
	Srtronium - 90								7.00E-01 ± 3.00E-01		
	Technetium - 99								8.00E-01 ± 4.00E-01		
	Tritium										
	<u>Gamma Emitters</u>										
	Antimony - 125										
	Cerium - 144										
	Cesium - 134										
	Cesium - 137										
	Cobalt - 58										
	Cobalt - 60										
	Europium - 152										
	Europium - 154										
	Iodine - 129										
	Ruthenium - 103										
	Ruthenium - 106										

a. The DAF column contains any data qualifier flags.

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ANL-W GROUND WATER MONITORING - MW-12 - ANALYSIS RESULTS FOR RADIONUCLIDE DATA (Continued)

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AREA	ANL-W	ANL-W
LOCATION	M-12	M-12
SAMPLE NUMBER	MONITORING WELL	MONITORING WELL
MEDIA	AGW02701R8	AGW02701R8
UNITS	GROUND WATER	GROUND WATER
DATE COLLECTED	PC/L D 10-25-95 Q	PC/L D 10-25-95 Q
SDG NUMBER	AGW01501R1 F	AGW01501R1 F
<u>FIELD MEASUREMENTS</u>		
Depth (ft)	651	651
<u>Gross Alpha</u>	$1.70E+00 \pm 2.30E+00$ U	
<u>Gross Beta</u>	$3.79E+03 \pm 4.00E+01$	
<u>Alpha Emitters</u>		
Americium - 241	$4.00E-02 \pm 7.00E-02$ U	
Neptunium - 237	$2.30E+00 \pm 2.00E-01$	
Plutonium - 238	$0.00E+00 \pm 9.00E-01$ U	
Dinutrium - 230	$7.00E-02 \pm 5.00E-02$ U	
Plutonium - 241	$4.10E+00 \pm 4.20E+00$ U	
Uranium - 234	$1.50E+00 \pm 4.00E-01$ U	
Uranium - 235	$0.00E+00 \pm 1.00E-01$ U	
Uranium - 238	$1.90E+00 \pm 4.00E-01$ U	
<u>Beta Emitters</u>		
Strontium - 90	$1.32E+03 \pm 6.00E+00$ J	
Technetium - 99	$1.20E+00 \pm 5.00E-01$	
Tritium		$5.50E+01 \pm 1.52E+02$ U
<u>Gamma Emitters</u>		
Antimony - 125	-----	
Cerium - 144	-----	
Cesium - 134	-----	
Cesium - 137	-----	
Cobalt - 58	-----	
Cobalt - 60	-----	
Euroium - 152	-----	
Euroium - 154	-----	
Iodine - 129	-----	
Ruthenium - 103	-----	
Ruthenium - 106	-----	

e. The DAF column contains any data qualifier flags.

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ANL-W GROUND WATER MONITORING - MW-13 - ANALYSIS RESULTS FOR RADIONUCLIDE DATA

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AREA	ANL-W MW	ANL-W MW	ANL-W MW	ANL-W MW
LOCATION	M-13	MONITORING WELL AGW01401EH	MONITORING WELL AGW01401R8	MONITORING WELL AGW01801EH
TYPE OF LOCATION		GROUND WATER	GROUND WATER	GROUND WATER
SAMPLE NUMBER				
MEDIA				
UNITS	PCi/L D	PCi/L D	PCi/L D	PCi/L D
DATE COLLECTED	3-20-95 Q	3-20-95 Q	3-20-95 Q	3-20-95 Q
SDG NUMBER	AGW01301EH F	AGW01301EH F	AGW01301EH F	AGW01301EH F
<hr/>				
FIELD MEASUREMENTS				
Depth (ft)	636	636	636	665
Gross Alpha	2.40E+00 ± 1.00E+00			6.00E-01 ± 9.00E-01 U
Gross Beta	4.60E+00 ± 1.20E+00			5.70E+00 ± 1.30E+00
<hr/>				
Alpha Emitters				
Americium - 241	2.00E-02 ± 5.00E-02 U			1.50E-01 ± 5.00E-02
Rutherfordium - 237	2.90E+00 ± 2.00E-01			2.50E+00 ± 2.00E-01
Plutonium - 238	0.00E+00 ± 5.00E-02 U			0.00E+00 ± 8.00E-02
Plutonium - 239, 240	0.00E+00 ± 5.00E-02 U			1.00E-02 ± 3.00E-02 U
Plutonium - 241	6.00E-01 ± 1.30E+00 U			
Uranium - 234	1.00E+00 ± 3.00E-01			6.00E-01 ± 3.00E-01 U
Uranium - 235	0.00E+00 ± 1.00E-01 U			0.00E+00 ± 2.00E-01 U
Uranium - 238	3.00E-01 ± 2.00E-01 U			1.00E-01 ± 3.00E-01 U
<hr/>				
Beta Emitters				
Sr90	0.00E+00 ± 3.00E-01 U			0.00E+00 ± 3.00E-01 U
Tc99	5.00E-01 ± 4.00E-01 U			0.00E+00 ± 7.00E-01 U
Tritium				0.00E+00 ± 1.17E+02 U
<hr/>				
Gamma Emitters				
Antimony - 125	-----			-----
Cerium - 144	-----			-----
Cesium - 134	-----			-----
Cesium - 137	-----			-----
Cobalt - 58	-----			-----
Cobalt - 60	-----			-----
Europlum - 152	-----			-----
Europlum - 154	-----			-----
Iodine - 129	-----			-----
Ruthenium - 103	-----			-----
Ruthenium - 106	-----			-----

a. The DAF column contains any data qualifier flags.

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ANL-W GROUND WATER MONITORING - M-13 - ANALYSIS RESULTS FOR RADIONUCLIDE DATA (Continued)

Page 2 of 3

AREA	ANL-W	ANL-W	ANL-W
LOCATION	M-13	M-13	M-13
TYPE OF LOCATION	MONITORING WELL	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGW01801RH	AGW2101EH	AGW2101RH
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	PCi/L D	PCi/L D	PCi/L D
DATE COLLECTED	5-16-95 Q	7-31-95 Q	7-31-95 Q
SDG NUMBER	AGW01701EH E	AGW02001EH E	AGW02001EH F
<u>FIELD MEASUREMENTS</u>			
Depth (ft)	665	643	643
Gross Alpha		5.00E-01 ± 9.00E-01	
Gross Beta		5.10E+00 ± 1.40E+00	
<u>Alpha Emitters</u>			
Americium - 241	2.00E-01 ± 8.00E-02		
Neptunium - 237	0.00E+00 ± 1.00E-01		
Plutonium - 238	0.00E+00 ± 6.00E-02		
Plutonium - 239, 240	1.00E-02 ± 3.00E-02		
Plutonium - 241	1.00E+00 ± 3.00E-01		
Uranium - 234	1.00E+00 ± 3.00E-01		
Uranium - 235	0.00E+00 ± 9.00E-02		
Uranium - 238	4.00E-01 ± 2.00E-01		
<u>Beta Emitters</u>			
Strontium - 90	1.00E-01 ± 3.00E-01		
Technetium - 99	1.00E-01 ± 4.00E-01		
Tritium		0.00E+00 ± 1.47E-02	
<u>Gamma Emitters</u>			
Antimony - 125			
Cerium - 144			
Cesium - 134			
Cesium - 137			
Cobalt - 58			
Cobalt - 60			
Europium - 152			
Europium - 154			
Iodine - 129	0.00E+00 ± 3.00E-01	U	U
Ruthenium - 103			
Ruthenium - 106			

b. The DQF column contains any data qualifier flags.

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ANL-W GROUND WATER MONITORING - M-13 - ANALYSIS RESULTS FOR RADIONUCLIDE DATA (Continued)

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AREA	ANL-W	ANL-W
LOCATION	M-13	M-13
TYPE OF LOCATION	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGW02801EH	AGW02801RI
MEDIA	GROUND WATER	GROUND WATER
UNITS	PCi/L D	PCi/L D
DATE COLLECTED	10-25-95 Q	10-25-95 Q
SDG NUMBER	AGW01501RI F	AGW01501RI F
FIELD MEASUREMENTS		
Depth (ft)	642	642
<u>Gross Alpha</u>	1.30E+01 ± 6.00E+00	
<u>Gross Beta</u>	6.07E+03 ± 5.00E+01	
<u>Alpha Emitters</u>		
Americium - 241	1.00E-01 ± 1.00E-01	U
Nepalium - 237	2.00E-01 ± 1.00E-01	U
Plutonium - 238	2.00E-02 ± 4.00E-02	U
Plutonium - 239	2.00E-02 ± 4.00E-02	U
Plutonium - 240	0.00E+00 ± 4.40E-02	U
Uranium - 234	1.50E+00 ± 6.00E-01	U
Uranium - 235	4.00E-01 ± 4.00E-01	U
Uranium - 238	1.40E+00 ± 5.00E-01	U
<u>Beta Emitters</u>		
Strontium - 90	1.33E+03 ± 6.00E+00	J
Technetium - 99	1.90E+00 ± 5.00E-01	J
Tritium		0.00E+00 ± 1.50E+02 U
<u>Gamma Emitters</u>		
Antimony - 125	-----	
Cerium - 144	-----	
Cesium - 134	-----	
Cesium - 137	-----	
Cobalt - 58	-----	
Cobalt - 60	-----	
Europium - 152	-----	
Europium - 154	-----	
Iodine - 129	-----	
Ruthenium - 103	-----	
Ruthenium - 106	-----	

a. The DAF column contains any date qualifier flags.

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ANL-W GROUND WATER MONITORING - ANALYSIS RESULTS FOR RADIONUCLIDE FIELD BLANK DATA

Page 1 of 1

AREA	ANL-W
LOCATION	QC
TYPE OF LOCATION	FIELD BLANK
SAMPLE NUMBER	AGW01501R8
MEDIA	WATER
UNITS	PCi/L D
DATE COLLECTED	10-25-95 Q
SDG NUMBER	AGW01501R1 E

Beta Emitters	5.40E+01 ± 1.51E+02 U
Tritium	0.00E+00 ± 3.00E-01 U

e. The DQF column contains any data qualifier flags.

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ANL-W GROUND WATER MONITORING EBR 11 #1 - NON-METAL DATA

Page 1 of 3

AREA	LOCATION	ANL-W EBR 11 #1 MONITORING WELL AGW01001A1 GROUND WATER mg/L	ANL-W EBR 11 #1 MONITORING WELL AGW01001PH GROUND WATER PH	ANL-W EBR 11 #1 MONITORING WELL AGW01001SD GROUND WATER umhos/cm	ANL-W EBR 11 #1 MONITORING WELL AGW01001T1 GROUND WATER ug/L
	MEDIA UNITS	5.9-95	5-9.95	5-9.95	5-9.95
	DATE COLLECTED	AGW01001A1	AGW01001A1	AGW01001A1	AGW01001A1
<u>FIELD MEASUREMENTS</u>					
Depth (ft)		725	725	725	725
ANALYTES					
Alkalinity		131			
Specific Conductance			380		
pH			7.9 J		
Total Dissolved Solids					10.8
Total Organic Halides					23.6
Total Organic Carbon					
Chloride					
Nitrate					
Sulfate					
Bicarbonate					
Carbonate					
Sulfide					
Total (Allowed)	Hold Time ^a				
Total (Allowed)	Hold Time ^b				
Total (Allowed)	Hold Time ^c				
Total (Allowed)	Hold Time ^d				
Total (Allowed)	Hold Time ^e				
Total (Allowed)	Hold Time ^f				
Total (Allowed)	Hold Time ^g				
Total (Allowed)	Hold Time ^h				
Total (Allowed)	Hold Time ⁱ				
Total (Allowed)	Hold Time ^j				

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W GROUND WATER MONITORING - EBR 11 #1 - NON-METAL DATA

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AREA	ANL-W EBR 11 #1 MONITORING WELL AGW001TT GROUND WATER	ANL-W EBR 11 #1 MONITORING WELL AGW02401HF GROUND WATER	ANL-W EBR 11 #1 MONITORING WELL AGW02401ND GROUND WATER	ANL-W EBR 11 #1 MONITORING WELL AGW02401HF GROUND WATER
LOCATION	TYPE OF LOCATION SAMPLE NUMBER MEDIA UNITS	MONITORING WELL AGW02401HF GROUND WATER mg/L	MONITORING WELL AGW02401ND GROUND WATER mg/L	MONITORING WELL AGW02401HF GROUND WATER mg/L
SAMPLE NUMBER	DATE COLLECTED SDG NUMBER	5-9-95 AGW001A1	8-29-95 AGW02301HF	8-29-95 AGW02301HF
<u>FIELD MEASUREMENTS</u>				
Depth (ft)	725	725	725	725
<u>ANALYTES</u>				
Alkalinity		136		
Specific Conductance				352
pH				
Total Dissolved Solids		211		8.0
Total Organic Halides				
Total Organic Carbon	23.6			
Chloride		17.1		
Nitrate		6.18 J		
Sulfate		15.6		
Bicarbonate			136	
Carbonate				2.0 U
Sulfide				
Total (Allowed)	Hold Time ^a			
Total (Allowed)	Hold Time ^b			
Total (Allowed)	Hold Time ^c			
Total (Allowed)	Hold Time ^d			
Total (Allowed)	Hold Time ^e			
Total (Allowed)	Hold Time ^f			
Total (Allowed)	Hold Time ^g			
Total (Allowed)	Hold Time ^h			
Total (Allowed)	Hold Time ⁱ			
Total (Allowed)	Hold Time ^j			

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1, 9040, or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W GROUND WATER MONITORING - EBR 11 #1 - NON-METAL DATA

Page 3 of 3

AREA	ANL-W	ANL-W
LOCATION	EBR 11 #1	EBR 11 #1
SAMPLE NUMBER	AGW02401TT	AGW02401TT
MEDIA	GROUND WATER	GROUND WATER
UNITS	ug/L	mg/L
DATE COLLECTED	8-29-95	8-29-95
SDG NUMBER	AGW02301HF	AGW02301HF
FIELD MEASUREMENTS		
Depth (ft)	725	725
ANALYTES		
Alkalinity		
specific Conductance		
pH		
Total Dissolved Solids		
Total Organic Halides	17.2	J
Total Organic Carbon		
Chloride		
Nitrate		
Sulfate		
Bicarbonate		
Carbonate		
Sulfide		
Total (Allowed)	Hold Time ^a	
Total (Allowed)	Hold Time ^b	
Total (Allowed)	Hold Time ^c	
Total (Allowed)	Hold Time ^d	
Total (Allowed)	Hold Time ^e	
Total (Allowed)	Hold Time ^f	
Total (Allowed)	Hold Time ^g	
Total (Allowed)	Hold Time ^h	
Total (Allowed)	Hold Time ⁱ	
Total (Allowed)	Hold Time ^j	

a. Method 310.1

ANL-W Ground Water Monitoring S&A Data Document - 1994/1995 - Method Validation Level A

ANL-W GROUND WATER MONITORING - EBR 11 #2 - NON-METAL DATA

Page 1 of 4

AREA	ANL-W	ANL-W	ANL-W	ANL-W
LOCATION	EBR 11 #2	EBR 11 #2	EBR 11 #2	EBR 11 #2
TYPE OF LOCATION	MONITORING WELL	MONITORING WELL	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGH00201A1	AGH00201A1	AGH00201A1	AGH00201A1
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	ug/L	ug/cm ³	ug/L	ug/L
DATE COLLECTED	5-19-94	5-19-94	5-19-94	5-19-94
SDG NUMBER	AGH00201A1	AGH00201A1	AGH00201A1	AGH00201A1
FIELD MEASUREMENTS				
Depth (ft)	725	725	725	725
ANALYTES				
Atmospheric	138000	95200		
Specific Conductance				
pH	7.86			
Total Dissolved Solids	240000	J		
Total Organic Halides				
Total Organic Carbon				
Chloride				
Nitrate				
Sulfate				
Bicarbonate				
Carbonate				
Sulfide				
Total (Allowed)	Hold Time ^a			
Total (Allowed)	Hold Time ^b	6(14)d		
Total (Allowed)	Hold Time ^c		26(28)d	
Total (Allowed)	Hold Time ^d	8(7)d*		
Total (Allowed)	Hold Time ^e			22(28)d
Total (Allowed)	Hold Time ^f			8()d
Total (Allowed)	Hold Time ^g			
Total (Allowed)	Hold Time ^h			
Total (Allowed)	Hold Time ⁱ			
Total (Allowed)	Hold Time ^j			

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W GROUND WATER MONITORING - EBR 11 #2 NON-METAL DATA

AREA	LOCATION	ANL-W EBR 11 #2 MONITORING WELL AGW01101A1 GROUND WATER mg/L	ANL-W EBR 11 #2 MONITORING WELL AGW01101SD GROUND WATER mg/L	ANL-W EBR 11 #2 MONITORING WELL AGW01101A1 GROUND WATER umhos/cm	ANL-W EBR 11 #2 MONITORING WELL AGW01101A1 GROUND WATER mg/L
MEDIA	GROUND WATER				
UNITS					
DATE COLLECTED		5-9-95	5-9-95		
SDG NUMBER		AGW01001A1	AGW01001A1		
<u>FIELD MEASUREMENTS</u>					
Depth (ft)	725	725	725	725	725
<u>ANALYTES</u>					
Alkalinity	131				
Specific Conductance					
pH		8.0 J			377
Total Dissolved Solids					377
Total Organic Halides					233
Total Organic Carbon					
Chloride					
Nitrate					
Sulfate					
Bicarbonate					
Carbonate					
Sulfide					
Total (Allowed)	Hold Time ^b				
Total (Allowed)	Hold Time ^b				
Total (Allowed)	Hold Time ^c				
Total (Allowed)	Hold Time ^d				
Total (Allowed)	Hold Time ^e				
Total (Allowed)	Hold Time ^f				
Total (Allowed)	Hold Time ^g				
Total (Allowed)	Hold Time ^h				
Total (Allowed)	Hold Time ⁱ				
Total (Allowed)	Hold Time ^j				

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

ANL-W Ground Water Monitoring S&A Data Document 1994/1995 Method Validation Level A
 ANL-W GROUND WATER MONITORING EBR II #2 - NON-METAL DATA

ANL-W Ground Water Monitoring S&A Date Document 1994/1995 Method Validation Level A

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AREA	ANL-W	ANL-W	ANL-W	ANL-W	
LOCATION	EBR II #2	EBR II #2	EBR II #2	EBR II #2	
TYPE OF LOCATION	MONITORING WELL	MONITORING WELL	MONITORING WELL	MONITORING WELL	
SAMPLE NUMBER	AGW02501HF	AGW02501ND	AGW02501ND	AGW02501ND	
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	
UNITS	mg/L	mg/L	mg/L	mg/L	
DATE COLLECTED	5-9-95	8-28-95	8-28-95	8-28-95	
SDG NUMBER	AGW01001A1	AGW02301HF	AGW02301HF	AGW02301HF	
<u>FIELD MEASUREMENTS</u>					
Depth (ft)	725	725	725	725	
<u>ANALYTES</u>					
Attninity					
Specific Conductance					
pH					
Total Dissolved Solids					
Total Organic Halides					
Total Organic Carbon	3.4	19.5	19.5	19.5	
Chloride		6.58 J	6.58 J	6.58 J	
Nitrate		16.9	16.9	16.9	
Sulfate					
Bicarbonate					
Carbonate					
Sulfide			2.0 U	2.0 U	
Total (Allowed)	Hold Time ^a	Total (Allowed)	Hold Time ^a	Total (Allowed)	Hold Time ^a
Total (Allowed)	Hold Time ^b	Total (Allowed)	Hold Time ^b	Total (Allowed)	Hold Time ^b
Total (Allowed)	Hold Time ^c	Total (Allowed)	Hold Time ^c	Total (Allowed)	Hold Time ^c
Total (Allowed)	Hold Time ^d	Total (Allowed)	Hold Time ^d	Total (Allowed)	Hold Time ^d
Total (Allowed)	Hold Time ^e	Total (Allowed)	Hold Time ^e	Total (Allowed)	Hold Time ^e
Total (Allowed)	Hold Time ^f	Total (Allowed)	Hold Time ^f	Total (Allowed)	Hold Time ^f
Total (Allowed)	Hold Time ^g	Total (Allowed)	Hold Time ^g	Total (Allowed)	Hold Time ^g
Total (Allowed)	Hold Time ^h	Total (Allowed)	Hold Time ^h	Total (Allowed)	Hold Time ^h
Total (Allowed)	Hold Time ⁱ	Total (Allowed)	Hold Time ⁱ	Total (Allowed)	Hold Time ⁱ
Total (Allowed)	Hold Time ^j	Total (Allowed)	Hold Time ^j	Total (Allowed)	Hold Time ^j

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W GROUND WATER MONITORING - EBR 11 #2 - NON-METAL DATA

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AREA	LOCATION	ANL-W EBR 11 #2 MONITORING WELL AGW0250TT GROUND WATER SDG NUMBER	ANL-W EBR 11 #2 MONITORING WELL AGW0250TT GROUND WATER AGW0230HF
<u>ANALYTES</u>			
Alkalinity			
Specific Conductance			
pH			
Total Dissolved Solids			
Total Organic Halides			
Total Organic Carbon			1.4
Chloride			
Nitrate			
Sulfate			
Bicarbonate			
Carbonate			
Sulfide			
Total (Allowed)	Hold Time ^a		
Total (Allowed)	Hold Time ^b		
Total (Allowed)	Hold Time ^c		
Total (Allowed)	Hold Time ^d		
Total (Allowed)	Hold Time ^e		
Total (Allowed)	Hold Time ^f		
Total (Allowed)	Hold Time ^g		
Total (Allowed)	Hold Time ^h		
Total (Allowed)	Hold Time ⁱ		
Total (Allowed)	Hold Time ^j		
d		8(28)	

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W GROUND WATER MONITORING - MW-11 - NON-METAL DATA

Page 1 of 4

AREA	ANL-W M-11	ANL-W M-11	ANL-W M-11
LOCATION	MONITORING WELL AGW00301A1	MONITORING WELL AGW00301A1	MONITORING WELL AGW00301A1
SAMPLE NUMBER	GROUND WATER	GROUND WATER	GROUND WATER
MEDIA UNITS	ug/L	ug/L	ug/L
DATE COLLECTED	4-13-94	4-13-94	4-13-94
SDG NUMBER	AGW00301A1	AGW00301A1	AGW00301A1
FIELD MEASUREMENTS			
Depth (ft)	638	638	638
ANALYTES			
Alkalinity	136000	357	
Specific Conductance	7.86		
pH	276000		
Total Dissolved Solids			
Total Organic Halides			
Total Organic Carbon			
Chloride			
Nitrate			
Sulfate			
Bicarbonate			
Carbonate			
Sulfide			
Total (Allowed)	Hold Time ^b	Total (Allowed)	Hold Time ^b
Total (Allowed)	Hold Time ^b	Total (Allowed)	Hold Time ^c
Total (Allowed)	Hold Time ^d	Total (Allowed)	Hold Time ^d
Total (Allowed)	Hold Time ^e	Total (Allowed)	Hold Time ^f
Total (Allowed)	Hold Time ^f	Total (Allowed)	Hold Time ^g
Total (Allowed)	Hold Time ^g	Total (Allowed)	Hold Time ^h
Total (Allowed)	Hold Time ^h	Total (Allowed)	Hold Time ⁱ
Total (Allowed)	Hold Time ⁱ	Total (Allowed)	Hold Time ^j

- a. Method 310.¹
- b. Method 120.¹
- c. Method 160.¹
- d. Method 450.¹ or 9020B
- e. Method 415.¹, 9020,¹ or 9060
- f. Method 150.¹ or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

ANL-W Ground Water Monitoring S&A Data Document 1994/1995 Method Validation Level A

Page 2 of 4

AREA	LOCATION	TYPE OF LOCATION	MONITORING WELL	MONITORING WELL	MONITORING WELL
	SAMPLE NUMBER	AGW01201A1	AGW01201PH	AGW01201SD	AGW01201T1
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	mg/L	mg/L	umhos/cm	umhos/cm	umhos/cm
DATE COLLECTED	5-9-95	5-9-95	5-9-95	5-9-95	5-9-95
SDG NUMBER	AGW01001A1	AGW01001A1	AGW01001A1	AGW01001A1	AGW01001A1
<u>FIELD MEASUREMENTS</u>					
depth (ft)	654.1	654.1	654.1	654.1	654.1
<u>ANALYTES</u>					
Alkalinity	13.1				
Specific Conductance					
pH		8.0			
Total Dissolved Solids					
Total Organic Halides					
Total Organic Carbon					
Chloride					
Nitrate					
Sulfate					
Bicarbonate					
Carbonate					
Sulfide					
Total (Allowed)	Hold Time ^b				
Total (Allowed)	Hold Time ^b	Hold Time ^b			
Total (Allowed)	Hold Time ^b	Hold Time ^c			
Total (Allowed)	Hold Time ^d	Hold Time ^c			
Total (Allowed)	Hold Time ^e	Hold Time ^f			
Total (Allowed)	Hold Time ^f	Hold Time ^g			
Total (Allowed)	Hold Time ^g	Hold Time ^h			
Total (Allowed)	Hold Time ⁱ	Hold Time ^j			
Total (Allowed)	Hold Time ^j	Hold Time ^j			

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

ANL-W Ground Water Monitoring S&A Data Document

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ANL-W GROUND WATER MONITORING - MW-11 - NON-METAL DATA

Page 3 of 4

AREA	ANL-W	ANL-W	ANL-W
LOCATION	M-11	M-11	M-11
SAMPLE NUMBER	AGM012011	AGM02301HF	AGM02301ND
MEDIA UNITS	GROUND WATER	GROUND WATER	GROUND WATER
DATE COLLECTED	5-9-95	8-29-95	8-29-95
SDG NUMBER	AGM01001A1	AGM02301HF	AGM02301HF
FIELD MEASUREMENTS			
Depth (ft)	654.1	640	640
ANALYTES			
Alkalinity			
Specific Conductance			
pH			
Total Dissolved Solids			
Total Organic Halides			
Total Organic Carbon	6.3	19.1	19.1
Chloride		6.22	6.22
Sulfate		16.6	16.6
Bicarbonate		136	136
Carbonate		2.0	2.0
Sulfide		U	U
Total (Allowed) Hold Time ^a		7(14)d	7(14)d
Total (Allowed) Hold Time ^b		2(28)d	2(28)d
Total (Allowed) Hold Time ^c		3(7)d	3(7)d
Total (Allowed) Hold Time ^d		17(28)d	17(28)d
Total (Allowed) Hold Time ^e		2(28)d	2(28)d
Total (Allowed) Hold Time ^f		3(2)d*	3(2)d*
Total (Allowed) Hold Time ^g		3(28)d	3(28)d
Total (Allowed) Hold Time ^h			
Total (Allowed) Hold Time ⁱ			
Total (Allowed) Hold Time ^j			

- e. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W GROUND WATER MONITORING - M-11 - NON METAL DATA

Page 4 of 4

AREA	ANL-W	ANL-W
LOCATION	M-11	M-11
TYPE OF LOCATION	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGW023011	AGW023011
MEDIA	GROUND WATER	GROUND WATER
UNITS	µg/L	mg/L
DATE COLLECTED	8-29-95	8-29-95
SDG NUMBER	AGW02301HF	AGW02301HF
FIELD MEASUREMENTS		
Depth (ft)	640	640
ANALYTES		
Alkalinity		i.5
Specific Conductance		
pH		
Total Dissolved Solids	17.4	
Total Organic Halides		
Total organic carbon		
Chloride		
Nitrate		
Sulfate		
Bicarbonate		
Carbonate		
Sulfide		
Total (Allowed)	Hold Time ^b	
Total (Allowed)	Hold Time ^b	
Total (Allowed)	Hold Time ^c	
Total (Allowed)	Hold Time ^d	
Total (Allowed)	Hold Time ^e	
Total (Allowed)	Hold Time ^f	
Total (Allowed)	Hold Time ^g	
Total (Allowed)	Hold Time ^h	
Total (Allowed)	Hold Time ⁱ	
Total (Allowed)	Hold Time ^j	
		3(28)d

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W GROUND WATER MONITORING - MJ-12 - NON-METAL DATA

AREA	ANL-W M-12	ANL-W M-12	ANL-W M-12
LOCATION	MONITORING WELL AGW00401A1	MONITORING WELL AGW00401A1	MONITORING WELL AGW01301A1
SAMPLE NUMBER	GROUND WATER	GROUND WATER	GROUND WATER
MEDIA	ug/L	ug/L	ug/L
UNITS	umhos/cm	umhos/cm	mg/L
DATE COLLECTED	4-12-94	4-12-94	3-20-95
SDG NUMBER	AGW00301A1	AGW00301A1	AGW01301A1
FIELD MEASUREMENTS			
Depth (ft)	650	650	648
ANALYTES			
Atmospheric	68000	235	98.0
Specific Conductance	9.1		
pH	178000		
Total Dissolved Solids			
Total Organic Halides			
Total Organic Carbon			
Chloride			
Nitrate			
Sulfate			
Bicarbonate			
Carbonate			
Sulfide			
Total (Allowed)	Hold Time ^a		
Total (Allowed)	Hold Time ^b	8(14)d	7(12)d
Total (Allowed)	Hold Time ^c	13(28)d	
Total (Allowed)	Hold Time ^d	7(7)d	
Total (Allowed)	Hold Time ^e		7(7)d
Total (Allowed)	Hold Time ^f	8()d	
Total (Allowed)	Hold Time ^g		
Total (Allowed)	Hold Time ^h		
Total (Allowed)	Hold Time ⁱ		
Total (Allowed)	Hold Time ^j		

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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Method Validation Level A

ANL-W GROUND WATER MONITORING - MW-12 - NON-METAL DATA

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AREA	ANL-W MW-12	ANL-W MW-12	ANL-W MW-12	ANL-W MW-12						
LOCATION	MONITORING WELL AGW01301SD	MONITORING WELL AGW01301T1	MONITORING WELL AGW01301T7	MONITORING WELL AGW01301TT						
TYPE OF LOCATION	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER						
SAMPLE NUMBER	US umhos/cm 3-20-95 AGW01301A1	US 3-20-95 AGW01301A1	mg/L 3-20-95 AGW01301A1	mg/L 3-20-95 AGW01301A1						
MEDIA										
UNITS										
DATE COLLECTED										
SDG NUMBER										
FIELD MEASUREMENTS										
Depth (ft)	648	648	648	648						
ANALYTICS										
Alkalinity	306									
Specific Conductance										
pH										
Total Dissolved Solids										
Total Organic Halides										
Total Organic Carbon										
Chloride										
Nitrate										
Sulfate										
Bicarbonate										
Carbonate										
Sulfide										
Total (Allowed)	Hold Time ^a									
Total (Allowed)		Hold Time ^b								
Total (Allowed)			Hold Time ^c							
Total (Allowed)				Hold Time ^d						
Total (Allowed)					Hold Time ^e					
Total (Allowed)						Hold Time ^f				
Total (Allowed)							Hold Time ^g			
Total (Allowed)								Hold Time ^h		
Total (Allowed)									Hold Time ⁱ	
Total (Allowed)										Hold Time ^j

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W GROUND WATER MONITORING - NW-12 - NON-METAL DATA

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AREA	ANL-W NW-12	ANL-W NW-12	ANL-W NW-12
LOCATION	MONITORING WELL AGW01701HF GROUND WATER	MONITORING WELL AGW01701ND GROUND WATER	MONITORING WELL AGW01701ND GROUND WATER
TYPE OF LOCATION			
SAMPLE NUMBER			
MEDIA UNITS			
DATE COLLECTED			
SDG NUMBER			
P <small>E</small> F<small>E</small><i>E</i>LDMERENTS			
Conductivity (mho/cm)			
Temperature (C)	715	715	715
Depth (ft)			715
A <small>N</small> A <i>L</i> Y E S			
Alkalinity			
Specific Conductance		88.5	
pH			
Total Dissolved Solids			
Total Organic Halides			
Total Organic Carbon			
Chloride			
Nitrate			
Sulfate			
Bicarbonate			
Carbonate			
Sulfide			
Total (Allowed) Hold Time ^a			
Total (Allowed) Hold Time ^b			
Total (Allowed) Hold Time ^c			
Total (Allowed) Hold Time ^d			
Total (Allowed) Hold Time ^e			
Total (Allowed) Hold Time ^f			
Total (Allowed) Hold Time ^g			
Total (Allowed) Hold Time ^h			
Total (Allowed) Hold Time ⁱ			
Total (Allowed) Hold Time ^j			

- e. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

ANL-W Ground Water Monitoring SIA Data Document

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ANL-W GROUND WATER MONITORING - MU-12 - NON-METAL DATA

Page 4 of 7

AREA	ANL-W M-12	ANL-W M-12	ANL-W M-12	ANL-W M-12
LOCATION	MONITORING WELL AGW01701ND GROUND WATER	MONITORING WELL AGW01701ND GROUND WATER	MONITORING WELL AGW01701ND GROUND WATER	MONITORING WELL AGW01701S3 GROUND WATER
TYPE OF LOCATION				
SAMPLE NUMBER	AGW01701C2	AGW01701C2	AGW01701C2	AGW01701C2
MEDIA				
UNITS	PH	PH	mg/L	mg/L
DATE COLLECTED	5-16-95	5-16-95	5-16-95	5-16-95
SDG NUMBER				
FIELD MEASUREMENTS				
Depth (ft)	715	715	715	715
ANALYTICS				
Alkalinity				
Specific Conductance	308	8.8	179	179
pH				
Total Dissolved Solids				
Total Organic Halides				
Total Organic Carbon				
Chloride				
Nitrate				
Sulfate				
Bicarbonate				
Carbonate				
Sulfide				
Total (Allowed)	Hold Time ^b			
Total (Allowed)	Hold Time ^b			
Total (Allowed)	Hold Time ^c			
Total (Allowed)	Hold Time ^d			
Total (Allowed)	Hold Time ^e			
Total (Allowed)	Hold Time ^f			
Total (Allowed)	Hold Time ^g			
Total (Allowed)	Hold Time ^h			
Total (Allowed)	Hold Time ⁱ			

- b. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W GROUND WATER MONITORING - MW-12 - NON-METAL DATA

ANALYSTS	Depth (ft)	715	715	715	715
Alkalinity					
Specific Conductance					
pH					
Total Dissolved Solids					
Total Organic Halides					
Total Organic Carbon					
Chloride		22.4 J			
Nitrate		5.5 J			
Sulfate		5.5 J			
Bicarbonate		15.3 J			
Carbonate					
Sulfide					
Total (Allowed)	Hold Time ^a				
Total (Allowed)	Hold Time ^b				
Total (Allowed)	Hold Time ^c				
Total (Allowed)	Hold Time ^d				
Total (Allowed)	Hold Time ^e				
Total (Allowed)	Hold Time ^f				
Total (Allowed)	Hold Time ^g				
Total (Allowed)	Hold Time ^h				
Total (Allowed)	Hold Time ⁱ				
Total (Allowed)	Hold Time ^j				

ANALYSTS	Depth (ft)	715	715	715	715
ANAL-W					
LOCATION					
TYPE OF LOCATION					
SAMPLE NUMBER					
MEDIA UNITS					
DATE COLLECTED					
SDG NUMBER					
FIELD MEASUREMENTS					
Depth (ft)					
ANALYSTS					
Alkalinity					
Specific Conductance					
pH					
Total Dissolved Solids					
Total Organic Halides					
Total Organic Carbon					
Chloride		22.4 J			
Nitrate		5.5 J			
Sulfate		5.5 J			
Bicarbonate		15.3 J			
Carbonate					
Sulfide					
Total (Allowed)	Hold Time ^a				
Total (Allowed)	Hold Time ^b				
Total (Allowed)	Hold Time ^c				
Total (Allowed)	Hold Time ^d				
Total (Allowed)	Hold Time ^e				
Total (Allowed)	Hold Time ^f				
Total (Allowed)	Hold Time ^g				
Total (Allowed)	Hold Time ^h				
Total (Allowed)	Hold Time ⁱ				
Total (Allowed)	Hold Time ^j				

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

ANL-W Ground Water Monitoring S&A Data Document

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Method Validation Level A

ANL-W GROUND WATER MONITORING - MW-12 NON-METAL DATA

Page 6 of 7

AREA	ANL-W MW-12	ANL-W MW-12	ANL-W MW-12
LOCATION	MONITORING WELL AGW02001S3	MONITORING WELL AGW02001T1	MONITORING WELL AGW02001TT
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	mg/L	mg/L	mg/L
DATE COLLECTED	7-31-95	7-31-95	7-31-95
SDG NUMBER	AGW02001C2	AGW02001C2	AGW02001C2
<u>FIELD MEASUREMENTS</u>			
Depth (ft)	715	715	651
ANALYTICS			88.4
Alkalinity			
Specific Conductance			
pH			
Total Dissolved Solids		7.9 J	198 J
Total Organic Halides			
Total Organic Carbon			
Chloride		0.71 J	20.7
Nitrate			6.1 J
Sulfate			15.3
Bicarbonate			
Carbonate			
Sulfide		0.10 U	5.9
Total (Allowed) Hold Time ^a			7(12)d
Total (Allowed) Hold Time ^b			7(5)d*
Total (Allowed) Hold Time ^c			
Total (Allowed) Hold Time ^d			
Total (Allowed) Hold Time ^e			
Total (Allowed) Hold Time ^f			
Total (Allowed) Hold Time ^g			4(28)d
Total (Allowed) Hold Time ^h			7(7)d
Total (Allowed) Hold Time ⁱ			
Total (Allowed) Hold Time ^j			

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

ANL-W Ground Water Monitoring SCA Data Document
1994/1995 Method Validation Level A

ANL-W GROUND WATER MONITORING - MW-12 - NON-METAL DATA

Page 7 of 7

AREA	ANL-W	ANL-W	ANL-W
LOCATION	M-12	M-12	M-12
TYPE OF LOCATION	MONITORING WELL	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGW02701ND	AGW02701S3	AGW02701T1
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	PH	mg/L	mg/L
DATE COLLECTED	10-25-95	10-25-95	10-25-95
SDG NUMBER	AGW02701C2	AGW02701C2	AGW02701C2
FIELD MEASUREMENTS			
Depth (ft)	651	651	651
ANALYTES			
Alkalinity			
Specific Conductance	8.7 J	250	
pH			
Total Dissolved Solids			
Total Organic Halides			
Total Organic Carbon			
Chloride			
Nitrate			
Sulfate			
Bicarbonate			
Carbonate			
Sulfide			
	0.10 U		
Total (Allowed)	Hold Time ^b		
Total (Allowed)	Hold Time ^b	5(28)d	
Total (Allowed)	Hold Time ^c		
Total (Allowed)	Hold Time ^d		
Total (Allowed)	Hold Time ^e		
Total (Allowed)	Hold Time ^f		
Total (Allowed)	Hold Time ^g		
Total (Allowed)	Hold Time ^h		
Total (Allowed)	Hold Time ⁱ	7(7)d	
Total (Allowed)	Hold Time ^j		

- a. Method J10.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

ANL-W Ground Water Monitoring S&A Data Document

1994/1995

Method Validation Level A

ANL-W GROUND WATER MONITORING - MW-13 - NON-METAL DATA

Page 1 of 7

AREA	ANL-W MW-13	ANL-W MW-13	ANL-W MW-13
LOCATION	MONITORING WELL AGW0101A1	MONITORING WELL AGW01401SD	MONITORING WELL AGW01401T1
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	mg/L	ug/cm	ug/L
DATE COLLECTED	3-20-95	3-20-95	3-20-95
SDG NUMBER	AGW0101A1	AGW01301A1	AGW01301A1
FIELD MEASUREMENTS			
Depth (ft)	665	665	665
ANALYTES			
Alkalinity	13.8		420
Specific Conductance		8.2 J	
pH			
Total Dissolved Solids			
Total Organic Halides			9.7
Total Organic Carbon			
Chloride			
Nitrate			
Sulfate			
Bicarbonate			
Carbonate			
Sulfide			
Total (Allowed)	Hold Time a		
Total (Allowed)	Hold Time b		
Total (Allowed)	Hold Time c		
Total (Allowed)	Hold Time d		
Total (Allowed)	Hold Time e		
Total (Allowed)	Hold Time f		
Total (Allowed)	Hold Time g		
Total (Allowed)	Hold Time h		
Total (Allowed)	Hold Time i		
Total (Allowed)	Hold Time j		
	7(12)d		
	3(28)d		7(7)d
		23(28)d	
		3(1)d*	

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

ANL-W Ground Water Monitoring SIA Data Document

1994/1995

Method Validation Level A

ANL-W GROUND WATER MONITORING - MW-13 - NON-METAL DATA

Page 2 of 7

AREA	ANL-W	ANL-W	ANL-W
LOCATION	M-13	H-13	H-13
TYPE OF LOCATION	MONITORING WELL	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGW014011F	AGW01801HF	AGW01801ND
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	mg/L	mg/L	mg/L
DATE COLLECTED	3-20-95	5-16-95	5-16-95
SDG NUMBER	AGW01301A1	AGW01701C2	AGW01701C2
<u>FIELD MEASUREMENTS</u>			
Depth (ft)	665	665	665
<u>ANALYTES</u>			
Alkalinity			134
Specific Conductance			
pH			
Total Dissolved Solids			
Total Organic Halides			
Total Organic Carbon	0.95	21.9	
Chloride			
Nitrate		1.6	
Sulfate			
Bicarbonate			29.1
Carbonate			
Sulfide			
Total (Allowed)	Hold Time ^a		
Total (Allowed)	Hold Time ^b		
Total (Allowed)	Hold Time ^c		
Total (Allowed)	Hold Time ^d		
Total (Allowed)	Hold Time ^e		
Total (Allowed)	Hold Time ^f		
Total (Allowed)	Hold Time ^g		
Total (Allowed)	Hold Time ^h		
Total (Allowed)	Hold Time ⁱ		
Total (Allowed)	Hold Time ^j		
		16(28)d	15(28)d
		2(2)d	

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

2-29-96

ANL-W Ground Water Monitoring S&A Data Document

1994/1995 Method Validation Level A

ANL-W GROUND WATER MONITORING - HW-13 - NON-METAL DATA

Page 3 of 7

AREA	ANL-W	ANL-W	ANL-W
LOCATION	HW-13	HW-13	HW-13
TYPE OF LOCATION	MONITORING WELL	MONITORING WELL	MONITORING WELL
SAMPLE NUMBER	AGW01801ND	AGW01801ND	AGW01801ND
MEDIA	GROUND WATER	GROUND WATER	GROUND WATER
UNITS	mg/L	mg/L	units/cm
DATE COLLECTED	5-16-95	5-16-95	5-16-95
SDG NUMBER	AGW01701C2	AGW01701C2	AGW01701C2
<u>FIELD MEASUREMENTS</u>			
Depth (ft)	665	665	665
ANALYTES			
Alkalinity			
Specific Conductance			437
pH		8.2	
Total Dissolved Solids			250
Total Organic Halides			
Total Organic Carbon			
Chloride			
Nitrate			
Sulfate			
Bicarbonate	134		
Carbonate		2.0	U
Sulfide			
Total (Allowed)	Hold Time ^a		
Total (Allowed)	Hold Time ^b	3(14)d	
Total (Allowed)	Hold Time ^c		
Total (Allowed)	Hold Time ^d		
Total (Allowed)	Hold Time ^e		
Total (Allowed)	Hold Time ^f		
Total (Allowed)	Hold Time ^g		
Total (Allowed)	Hold Time ^h		
Total (Allowed)	Hold Time ⁱ		
Total (Allowed)	Hold Time ^j		

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W GROUND WATER MONITORING - MU-13 - NON-METAL DATA

AREA	ANL-W M-13	ANL-W M-13	ANL-W M-13
LOCATION	MONITORING WELL AGW01801S3	MONITORING WELL AGW01801T1	MONITORING WELL AGW02101HF
SAMPLE NUMBER	GROUND WATER	GROUND WATER	GROUND WATER
MEDIA	mg/L	mg/L	mg/L
UNITS	5-16-95	5-16-95	5-16-95
DATE COLLECTED	AGW01701C2	AGW01701C2	AGW02201C2
SDG NUMBER			
FIELD MEASUREMENTS			
Depth (ft)	665	665	665
			643
ANALYTES			
Alkalinity			643
Specific Conductance			
pH			
Total Dissolved Solids			
Total Organic Halides			
Total Organic Carbon			
Chloride			
Nitrate			
Sulfate			
Bicarbonate			
Carbonate			
Sulfide	0.10 U		
Total (Allowed)	Hold Time ^b		
Total (Allowed)	Hold Time ^b		
Total (Allowed)	Hold Time ^c		
Total (Allowed)	Hold Time ^d		
Total (Allowed)	Hold Time ^e		
Total (Allowed)	Hold Time ^f		
Total (Allowed)	Hold Time ^g		
Total (Allowed)	Hold Time ^h		
Total (Allowed)	Hold Time ⁱ		
Total (Allowed)	Hold Time ^j		

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 904.0
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

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ANL-W Ground Water Monitoring SIA Data Document

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ANL-W GROUND WATER MONITORING - MW-13 - NON-METAL DATA

Page 5 of 7

AREA	ANL-W MW-13	ANL-W MW-13	ANL-W MW-13	ANL-W MW-13
LOCATION	MONITORING WELL AGW02101ND	MONITORING WELL AGW02101S3	MONITORING WELL AGW02101T1	MONITORING WELL AGW02101U
TYPE OF LOCATION	GROUND WATER	GROUND WATER	GROUND WATER	GROUND WATER
SAMPLE NUMBER				
MEDIA	Ummos/cm	mg/L	ug/L	mg/L
UNITS	7.31-95	7.31-95	7.31-95	7.31-95
DATE COLLECTED	PH	mg/L	ug/L	mg/L
SDG NUMBER	AGW02001C2	AGW02001C2	AGW02001C2	AGW02001C2
<u>FIELD MEASUREMENTS</u>				
depth (ft)	643	643	643	643
<u>ANALYTES</u>				
Alkalinity				
Specific Conductance				
pH	8.0 J	414 J		
Total Dissolved Solids				
Total Organic Carbon				
Chloride				
Nitrate				
Sulfate				
Bicarbonate				
Carbonate				
Sulfide				
Total (Allowed)	Hold Time ^a			
Total (Allowed)	Hold Time ^b			
Total (Allowed)	Hold Time ^c			
Total (Allowed)	Hold Time ^d			
Total (Allowed)	Hold Time ^e			
Total (Allowed)	Hold Time ^f			
Total (Allowed)	Hold Time ^g			
Total (Allowed)	Hold Time ^h			
Total (Allowed)	Hold Time ⁱ			
Total (Allowed)	Hold Time ^j			

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1, or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

ANL-W Ground Water Monitoring SCA Data Document

1994/1995

Method Validation Level A

ANL-W GROUND WATER MONITORING - MN-13 - NON-METAL DATA

Page 6 of 7

AREA	ANL-W M-13	ANL-W M-13	ANL-W M-13
LOCATION	MONITORING WELL AGW02801HF GROUND WATER	MONITORING WELL AGW02801ND GROUND WATER	MONITORING WELL AGW02801ND GROUND WATER
SAMPLE NUMBER	AGW02701C2	AGW02701C2	AGW02701C2
MEDIA UNITS	mg/L	mg/L	mg/L
DATE COLLECTED	10-25-95	10-25-95	10-25-95
SDG NUMBER	AGW02701C2	AGW02701C2	AGW02701C2
FIELD MEASUREMENTS			
Depth (ft)	642	642	642
ANALYTES ATTACHMENT			
Specific Conductance	138	138	138
pH	8.2 J	8.2 J	8.2 J
Total Dissolved Solids	273 J	273 J	273 J
Total Organic Halides			
Total Organic Carbon	22.2	22.2	22.2
Chloride	i:34 J	i:34 J	i:34 J
Nitrate			
Sulfate	27.0	27.0	27.0
Bicarbonate			
Carbonate	138	138	138
Sulfide	2.0 U	2.0 U	2.0 U
Total (Allowed)	Hold Time ^a	Hold Time ^b	Hold Time ^c
Total (Allowed)	Hold Time ^b	Hold Time ^b	Hold Time ^c
Total (Allowed)	Hold Time ^c	Hold Time ^c	Hold Time ^d
Total (Allowed)	Hold Time ^d	Hold Time ^d	Hold Time ^e
Total (Allowed)	Hold Time ^e	Hold Time ^e	Hold Time ^f
Total (Allowed)	Hold Time ^f	Hold Time ^f	Hold Time ^g
Total (Allowed)	Hold Time ^g	Hold Time ^g	Hold Time ^h
Total (Allowed)	Hold Time ^h	Hold Time ^h	Hold Time ⁱ
Total (Allowed)	Hold Time ⁱ	Hold Time ⁱ	Hold Time ^j
Total (Allowed)	Hold Time ^j	Hold Time ^j	Hold Time ^j

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

2-29-96

ANL-W Ground Water Monitoring SIA Data Document

1994/1995

Method Validation Level A

ANL-W GROUND WATER MONITORING M-13 - NON-METAL DATA

Page 7 of 7

AREA	LOCATION	MONITORING WELL	MONITORING WELL
	SAMPLE NUMBER	AGW02801TT	M-13
	MEDIA	GROUND WATER	AGW02801TT
UNITS		ug/L	ug/L
DATE COLLECTED		10-25-95	10-25-95
SDG NUMBER		AGW02701C2	AGW02701C2
<u>FIELD MEASUREMENTS</u>			
depth (ft)	642	642	
ANALYTES			
Alkalinity			
Specific Conductance			
pH			
Total Dissolved Solids			
Total Organic Halides		43.8	J
Total Organic Carbon			
Chloride			
Nitrate			
Sulfate			
Bicarbonate			
Carbonate			
Sulfide			
Total (Allowed)	Hold Time	a	
Total (Allowed)	Hold Time	b	
Total (Allowed)	Hold Time	c	
Total (Allowed)	Hold Time	d	
Total (Allowed)	Hold Time	e	
Total (Allowed)	Hold Time	f	
Total (Allowed)	Hold Time	g	
Total (Allowed)	Hold Time	h	
Total (Allowed)	Hold Time	i	
Total (Allowed)	Hold Time	j	
		22(28)d	
		8(28)d	

- a. Method 310.1
- b. Method 120.1
- c. Method 160.1
- d. Method 450.1 or 9020B
- e. Method 415.1, 9020, or 9060
- f. Method 150.1 or 9040
- g. Method 300.0
- h. Method 376.2
- i. Method 300.0
- j. Method 300.0

ANL-W Ground Water Monitoring Site Data Document

ANL-W GROUND WATER MONITORING

1984/19

EBR II #1

EBR II #1

Method Validation Level A

ANL-W GROUND WATER MONITORING

EBR II #1

EBR II #1

Method Validation Level A

LOCATION		ANL-W		ANL-W	
TYPE OF LOCATION		EBR-II #1		EBR-II #1	
MEDIA		MONITORING WELL		MONITORING WELL	
DATE COLLECTED		GROUND WATER		GROUND WATER	
SGS NUMBER		8/28/96		8/28/96	
SGS NUMBER		AGW01001A1		AGW01001MF	
FIELD MEASUREMENTS		725		725	
Depth	ft.	Units	SAMPLE NUMBER	Units	SAMPLE NUMBER
Alkalinity		131 mg/L	AGW01001A1	136 mg/L	AGW02401 ND
Specific Conductance		380 umhos/cm	AGW01001SD	352 umhos/cm	AGW02401 ND
pH		7.9 J	AGW01001PH	8	AGW02401 ND
Total Dissolved Solids		238 ug/L	AGW01001T7	211 mg/L	AGW02401 ND
Total Organic Halides		10.8 mg/L	AGW01001T1	17.2 J mg/L	AGW02401 T1
Total Organic Carbon		23.8 mg/L	AGW01001TT	0.78 mg/L	AGW02401 TT
Chloride				17.1 mg/L	AGW02401 HF
Nitrate				6.18 J mg/L	AGW02401 HF
Sulfate				15.6 mg/L	AGW02401 HF
Bicarbonate				136 mg/L	AGW02401 ND
Carbonate				2.0 U mg/L	AGW02401 ND
Sulfide					

Total (Allowed) Hold Time(a)	9(14)d
Total (Allowed) Hold Time(b)	2(28)d
Total (Allowed) Hold Time(c)	2(7)d
Total (Allowed) Hold Time(d)	7(2)d
Total (Allowed) Hold Time(e)	16(28)d
Total (Allowed) Hold Time(f)	2111d*
Total (Allowed) Hold Time(g)	21 d
Total (Allowed) Hold Time(h)	3(28)d
Total (Allowed) Hold Time(i)	3121d*
Total (Allowed) Hold Time(j)	3(28)d

a.	Method	310.1	Alkalinity, Carbonate, Bicarbonate
b.	Method	120.1	[Specific Conductance]
c.	Method	180.1	[TDS]
d.	Method	450.1 or 8020B	[Organic Halides]
e.	Method	416.1, 8020, or 80	[Organic Carbon]
f.	Method	160.1 or 8040	[pH]
g.	Method	300	
h.	Method	376.2	[Chloride, Nitrate, Sulfate]
i.	Method	300	
j.	Method	300	

ANL W Ground Water Monitoring S&A Data Document

1884/18

Method Validation Level A

ANL W GROUND WATER MONITORING WELL

EBR-ii #2

NON-METAL DATA

LOCATION EBR-II #2
 TYPE OF LOCATION MONITORING WELL
 MEDIA GROUND WATER
 DATE COLLECTED 6/18/94
 SDG NUMBER AGW00201A1

FIELD MEASUREMENTS

Depth (ft) 726

ANALYTES	UNITS	SAMPLE NUMBER	UNITS	SAMPLE NUMBER	UNITS	SAMPLE NUMBER
Alkalinity	mg/L	AGW00201A1	"	AGW00201A1	"	AGW00201A1
Specific Conductance	µmho/cm	AGW00201A2	mmhos/cm	AGW00201A2	mmhos/cm	AGW00201A2
pH	7.86	AGW00201A3	8.0	AGW00201A3	8.0	AGW00201A3
Total Dissolved Solids	240000 µg/L	AGW00201A4	233 mg/L	AGW00201A4	233 mg/L	AGW00201A4
Total Organic Halides	8.6 / 6.1 µg/L	AGW00201T1	26.6 µg/L	AGW00201T1	7.7 ug/L	AGW00201T1
Total Organic Carbon	338000 ug/L	AGW00201T1	3.4 mg/L	AGW00201T1	1.4 mg/L	AGW00201T1
Chloride					19.6 mg/L	AGW00201HF
Nitrate					6.5 mg/L	AGW00201HF
Sulfate					16.8 mg/L	AGW00201HF
Bicarbonate					13.7 mg/L	AGW00201ND
Carbonate					2.8 mg/L	AGW00201INC
Surfactant						

Total (Allowed) Hold Time(s)	6114d	1014d	8114d
Total (Allowed) Hold Time(s)	26128d	3128d	3128d
Total (Allowed) Hold Time(s)	817d*	317d	317d
Total (Allowed) Hold Time(s)	22128d	22128d	8128d
Total (Allowed) Hold Time(s)	16128d	17128d	4128d
Total (Allowed) Hold Time(s)	811d*	311d*	311d*
Total (Allowed) Hold Time(s)			4128d
Total (Allowed) Hold Time(s)			4128d*
Total (Allowed) Hold Time(s)			4128d

UNITS	367 umhos/cm	8 J	171 J mg/L	7.7 ug/L	1.4 mg/L	19.6 mg/L	6.5 mg/L	16.8 mg/L	13.7 mg/L	2.8 mg/L
AGW00201IND	AGW00201IND	AGW00201IND	AGW00201IND	AGW00201TT	AGW00201TT	AGW00201HF	AGW00201HF	AGW00201HF	AGW00201ND	AGW00201INC

UNITS	137 umhos/cm	367 umhos/cm	8 J	171 J mg/L	7.7 ug/L	1.4 mg/L	19.6 mg/L	6.5 mg/L	16.8 mg/L	13.7 mg/L	2.8 mg/L
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UNITS	137 umhos/cm	367 umhos/cm	8 J	171 J mg/L	7.7 ug/L	1.4 mg/L	19.6 mg/L	6.5 mg/L	16.8 mg/L	13.7 mg/L	2.8 mg/L
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ANL-W Ground Water Monitoring S&A Data Document ..

1994/10 ..

Method Validation Level A

ANL-W GROUND WATER MONITORING ..

MW 11 ..

AREA
LOCATION
TYPE OF LOCATION
MEDIA
DATE COLLECTED
SDG NUMBER

ANL-W
M.11
MONITORING WEL
GROUND WATER
4/13/94
AGW00301A1

FIELD MEASUREMENTS
Depth (ft) 638

ANALYTES	UNITS	SAMPLE NUMBER	UNITS	SAMPLE NUMBER	UNITS	SAMPLE NUMBER
Alkalinity	138000 ug/L	AGW00301A1	131 mg/L	AGW01201A1	136 mg/L	AGW02301 ND
Specific Conductance	367 umhos/c	AGW00301A2	360 umhos/c	AGW01201SD	360 umhos/c	AGW02301 ND
pH	7.86	AGW00301A3	8.0 J	AGW01201PH	8.0 J	AGW02301 ND
Total Dissolved Solids	276000 ug/L	AGW00301A4	271 mg/L	AGW01201TT	219 mg/L	AGW02301 ND
Total Organic Halides	46.2 / 82 ug/L	AGW00301A5	8.8 ug/L	AGW01201TT	17.4 J ug/L	AGW02301 T1
Total Organic Carbon	3700 ug/L	AGW00301A6	6 mg/L	AGW01201TT	1.3 mg/L	AGW02301 TT
Chloride					19.1 mg/L	AGW02301 HF
Nitrate					6.62 J mg/L	AGW02301 HF
Sulfate					16.6 mg/L	AGW02301 HF
Bicarbonate					136 mg/L	AGW02301 ND
Carbonate					2.0 U mg/L	AGW02301 ND
Sulfide						

FIELD MEASUREMENTS Depth (ft)	638	640
ANALYTES		
Alkalinity	138000 ug/L	131 mg/L
Specific Conductance	367 umhos/c	360 umhos/c
pH	7.86	8.0 J
Total Dissolved Solids	276000 ug/L	271 mg/L
Total Organic Halides	46.2 / 82 ug/L	17.4 J ug/L
Total Organic Carbon	3700 ug/L	1.3 mg/L
Chloride		19.1 mg/L
Nitrate		6.62 J mg/L
Sulfate		16.6 mg/L
Bicarbonate		136 mg/L
Carbonate		2.0 U mg/L
Sulfide		

Total (Allowed) Hold Time(s)
Total (Allowed) Hold Time(b)
Total (Allowed) Hold Time(c)
Total (Allowed) Hold Time(d)
Total (Allowed) Hold Time(e)
Total (Allowed) Hold Time(f)
Total (Allowed) Hold Time(g)
Total (Allowed) Hold Time(h)
Total (Allowed) Hold Time(i)

7114d
1228d
617d
15128d
617d
71128d
3111d*

136 mg/L
360 umhos/c
8.0 J
219 mg/L
17.4 J ug/L
1.3 mg/L
19.1 mg/L
6.62 J mg/L
16.6 mg/L
136 mg/L
2.0 U mg/L

10/25/95
AGW02701C2

661

UNITS	SAMPLE NUMBER
88.4 mg/L	AGW02701ND
260 umhos/c	AGW02701ND
8.7 J	AGW02701ND
188 J	AGW02701ND
8.0 J ug/L	AGW02701TT
0.68 mg/L	AGW02701TT
20.7 mg/L	AGW02701HF
9.1 mg/L	AGW02701HF
16.3 mg/L	AGW02701HF
82.6 mg/L	AGW02701ND
6.8 mg/L	AGW02701ND
0.1 J	AGW02701SS

71121d
612B1d
7151d*
22(2B)1d
812B1d
3111d*
512B1d
7171d
5121d*
51251d

ANL-W Ground Water Monitoring S&A Data Document -- Method Validation Level A

ANL-W GROUND WATER MONITORING			
AREA	LOCATION	TYPE OF LOCATION	DATE COLLECTED
ANL-W	M-12	MONITORING WELL	4/12/84
		GROUND WATER	
			AGW00301A1

Method Validation Level A

5/16/95 AGWO17011C2 7/31/95 AGWO2001C2

FIELD MEASUREMENTS (ft)

Depth (ft)	650
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ANALYTES	SAMPLE NUMBER
Alkalinity	AGW00401A1
Specific Conductance	AGW00401A1
pH	B.1
Total Dissolved Solids	AGW00401A1
Total Organic Halides	AGW00401A1
Total Organic Carbon	AGW00401A1
Chloride	AGW00401A1
Nitrate	AGW00401TT
Sulfate	
Bicarbonate	
Carbonate	

B141d	Total (Allowed)	Hold Time(s)
1312d	Total (Allowed)	Hold Time(s)
717d	Total (Allowed)	Hold Time(s)
717d	Total (Allowed)	Hold Time(s)
8110	Total (Allowed)	Hold Time(s)
	Total (Allowed)	Hold Time(s)
	Total (Allowed)	Hold Time(s)
	Total (Allowed)	Hold Time(s)

543

SAMPLE NUMBER	UNITS	SAMPLE NUMBER	UNITS
AGW01301A1	mg/L	89.5 mg/L	AGW01701 NC
AGW01301SD	umhos/c	30.8 umhos/c	AGW01701 ND
AGW01301TC	mg/L	2.5 mg/L	AGW01701 NC
AGW01301TT	mg/L	17.8 mg/L	AGW01701 ND
AGW01301T1	ug/L	7.2 ug/L	AGW01701T1
AGW01301TT	mg/L	1.12 mg/L	AGW01701TT
		20.8 mg/L	AGW01701HF
		1.4 mg/mL	AGW01701HF
		13.8 mg/L	AGW01701HF
		76.2 mg/L	AGW01701ND
		12.3 mg/L	AGW01701ND
		0.1 mg/L	AGW01701NC

7.1.2 <i>d</i>	3(14)d	8(12)d
	2(8)d	8(8)d*
3(28)d	3(7)d	8(6)d*
7(7)d	6(28)d	4(28)d
22(28)d	14(28)d	4(28)d
3(128)d*	16(28)d	3(11)d*
	2(2)d	8(28)d
	15(28)d	7(7)d
	7(7)d	8(7)d*

ANL-W Ground Water Monitoring S&A Data Document

1994/13

Method Validation Level A

ANL-W GROUND WATER MONITORING

MW-1.3

NON-METAL DATA

AREA ANL-W
 LOCATION ANL-W
 TYPE OF LOCATION MONITORING WELL
 MEDIA GROUND WATER
 DATE COLLECTED 3/20/95
 SDG NUMBER AGW01301A1
 FIELD MEASUREMENTS (ft)
 Depth (ft) 666

ANALYTES UNITS SAMPLE NUMBER
 Alkalinity mg/L AGW01401SD
 Specific Conductance 4.20 umhos/c AGW01401PH
 pH 8.2 J AGW01801ND
 Total Dissolved Solids 282 mg/L AGW01401T7
 Total Organic Halides 9.7 ug/L AGW01401T1
 Total Organic Carbon 0.86 mg/L AGW01401TT
 Chloride 1.2 mg/L AGW01801HF
 Nitrate 21.9 mg/L AGW01801HF
 Nitrite 1.6 mg/L AGW01801HF
 Sulfate 29.1 mg/L AGW01801HF
 Ammonium 1.34 mg/L AGW01801ND
 Carbonate 2.0 mg/L AGW01801EC
 Sulfide 0.1 mg/L AGW01801S3

ANALYTES UNITS SAMPLE NUMBER
 Alkalinity mg/L AGW02101SD
 Specific Conductance 4.37 umhos/c AGW02101ND
 pH 8.2 J AGW02101PH
 Total Dissolved Solids 250 mg/L AGW02101NO
 Total Organic Halides 10.6 ug/L AGW02101T1
 Total Organic Carbon 1.2 mg/L AGW02101TT
 Chloride 21.9 mg/L AGW02101HF
 Nitrate 22.1 mg/L AGW02101HF
 Nitrite 5.2 J mg/L AGW02101HF
 Sulfate 26.1 mg/L AGW02101HF
 Ammonium 1.38 mg/L AGW02101ND
 Carbonate 2.0 mg/L AGW02101EC
 Sulfide 0.1 mg/L AGW02101S3

Total (Allowed) Hold Time(s) 7(1)2d 3(1)4d 3(1)4d 7(1)2d 8(1)2d
 Total (Allowed) Hold Time(h) 3(2)8d 2(2)8d 8(2)8d 7(1)d 6(2)8d 7(1)6d* 8(1)6d*
 Total (Allowed) Hold Time(d) 3(1)7d 3(1)7d 6(2)8d 10(2)8d 4(2)8d 7(1)2d 22(2)8d
 Total (Allowed) Hold Time(f) 3(1)1d* 21d 21d 16(2)8d 15(2)8d 8(1)2d 8(1)2d
 Total (Allowed) Hold Time(g) 7(1)2d 7(1)2d 7(1)2d 7(1)2d 7(1)2d 7(1)2d 7(1)2d
 Total (Allowed) Hold Time(h) 8(2)8d 8(2)8d 8(2)8d 8(2)8d 8(2)8d 8(2)8d 8(2)8d
 Total (Allowed) Hold Time(i) 5(2)1d* 5(2)1d* 5(2)1d* 5(2)1d 5(2)1d 5(2)1d 5(2)1d
 Total (Allowed) Hold Time(j) 8(1)2d 8(1)2d 8(1)2d 8(1)2d 8(1)2d 8(1)2d 8(1)2d